

THE ANNUAL REPORT

TO THE
URBAN SANITARY
— AUTHORITY —

OF THE
COUNTY BOROUGH OF HUDDERSFIELD

FOR THE YEAR

1914.

BY

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CHIEF INSPECTOR OF MIDWIVES.

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HEALTH COMMITTEE.

Meets at the Town Hall on the second Wednesday in each month,
at 3 p.m.

Alderman JOSEPH BLAMIRES, Esq., J.P., Mayor, and 19 Members.

Mr. Alderman W. H. JESSOP, J.P., Chairman.

Mr. Councillor S. STEPHENS, Deputy-Chairman.

Aldermen :

E. A. BEAUMONT.

H. PULLON, M.B., C.M.

Councillors :

G. A. BOOTHROYD.

A. SYKES.

L. DEMETRIADI, M.D., D.P.H.

J. SYKES.

A. HALSTEAD.

L. TAYLOR.

T. W. HESKETH.

A. WILLIS.

D. MIDGLEY.

T. WOFFENDEN.

J. H. PLATTS.

J. B. WOOD.

W. ROBERTSON, M.D.

J. E. WOOD.

J. H. ROBSON.

Duties and Powers.

To execute and perform in the name, and on behalf, of the Council, but subject to the Standing Orders of the Council, and to confirmation by the Council, all the powers and duties of the Corporation in relation to the following :—

Infectious and Epidemic Diseases.

Hospitals for Infectious Diseases.

Common Lodging Houses.

Cleansing of Infected Houses.

Prevention of Pollution of Rivers and Streams.

Health Statistics, and Sickness, and Mortality Returns.

Superintendence of the Department of the Medical Officer of Health.

All the powers, and duties imposed upon the Council by the Midwives Act, 1902.

Removal, and Disposal of Nightsoil and Refuse.

Nuisances.

Offensive Trades.

Control of Drains, Privies, Ashpits, and Cesspools.

Buildings and Rooms unfit for Habitation.

Polluted Wells.

Adulteration of Food and Drugs.

Unwholesome Food.

Cowsheds, Dairies, and Milkshops.

Canal Boats.

Factories and Workshops.

Small Holdings and Allotments (pursuant to the Small Holdings and Allotments Act, 1908).

HOUSING AND TOWN PLANNING COMMITTEE.

Meets at the Town Hall on the Friday preceding the first
Wednesday in each month, at 4 p.m.

THE MAYOR (Alderman JOSEPH BLAMIRE, Esq., J.P.), and
17 Members.

MR. ALDERMAN C. SMITH, J.P., Chairman.

MR. ALDERMAN J. BERRY, Deputy-Chairman.

Aldermen :

E. A. BEAUMONT.

W. H. JESSOP, J.P.

T. CARTWRIGHT.

E. WOODHEAD, M.A., J.P.

R. H. INMAN, J.P.

Councillors :

J. BARLOW.

D. MIDGLEY.

G. A. BOOTHROYD.

R. MITCHELL.

B. BOTTOMLEY.

J. SHAW.

H. DAWSON.

W. SINGLETON.

F. MARSLAND.

A. SYKES.

Duties and Powers.

To execute and perform in the name, and on behalf, of the Council, but subject to the Standing Orders of the Council and to confirmation by the Council, all powers and duties of the Corporation in relation to :—

1. Housing of the Working Classes Acts, 1890 to 1909.
2. Part 2 of the Housing, Town Planning, &c., Act, 1909.

PUBLIC HEALTH DEPARTMENT.

STAFF :

Medical Officer of Health :

S. G. H. MOORE, M.D., M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health :

M. M. THOMSON, L.R.C.P., L.R.C.S., L.M., D.P.H.

K. A. GILL, M.B., B.S.

Public Analyst :

L. GORDON PAUL, Ph.D., F.I.C.

Veterinary Inspector :

J. MCKINNA, F.R.C.V.S.

Hospital Matron :

Miss A. DUTTON.

Canal Boats Inspector :

W. M. DRAKE. †

Chief Sanitary Inspector :

ERNEST RICHARDSON. †

Assistant Inspectors :

H. JESSOP. †*

J. W. NORTH. †

W. E. SHARP. †*

T. E. WILLIAMS. †

W. TAYLOR. †*

Inspectors under the Housing and Town Planning Act :

ARTHUR J. NICHOLS. †§

G. SHIPLEY. †§

Removal Officer :

M. TURNER.

Clerks :

T. A. BATTY. †‡

H. LUMB.

F. IREDALE.

N. BROOK.

† Certificate of Royal Sanitary Institute for Inspector of Nuisances.

§ Certificate of Royal Sanitary Institute in Practical Sanitary Science.

‡ Certificate of Sanitary Inspectors Examination Board.

* Certificate of Royal Sanitary Institute in Meat and Food Inspection.

ABSTRACT.

1. **Situation of the Borough.**—Latitude $53^{\circ} 39' 7''$ N.; Longitude $1^{\circ} 47' 30''$ W.
2. **Elevation.**—Varies from 150 feet to 1200 feet above Sea Level.
3. **Area of the Borough.**—11,859 acres.

During the year the Registrar-General altered his method of estimating populations throughout England and Wales. Formerly the whole of the country was estimated on the assumption that the rate of increase during the decennium 1901–11, continued during the succeeding years, but in view of the fall in the rate of natural increase since 1911, and an increase in the loss by migration, a new estimate has been made for the middle of 1914, based upon the returns of births, deaths and migration.

Upon this basis, the Registrar-General estimates the population of Huddersfield to the middle of 1914 to be 111,031.

The rates throughout this report are not calculated upon this figure, but upon the previous estimate, viz :—112,265. There is shewn in the Abstract rates worked upon both the old and the revised estimates.

4. **Population.**—1911 Census 107,825
 A.—Registrar-General's estimate (former method) to
 middle of 1914, based on 1911 Census 112,265
 B.—Registrar-General's recent estimate (new method)
 to middle of 1914, based on 1911 Census .. 111,031
5. **Density of Population for the Borough :—**
 Calculated on 112,265 persons. 9.46 persons per acre.
 Do. 111,031 „ 9.36 „
6. **Marriages.**—Number during the year 975
 Rate per 1000 of population method **A.** 8.68
 „ „ method **B.** 8.78
7. **Births**—Males 1007 } Total 2030.
 Females 1023 }
 Rate—**A.** 18.08. **B.** 18.28.
8. **Deaths**—Males 830 } Total 1649.
 Females 819 }

9. Natural Increase.—For the year, 381.

Annual rate of mortality **A.**, 14.69.

„ „ **B.**, 14.85.

Mean rate during years 1904–1913, 15.33.

Total deaths from Zymotic disease, 98.

Annual rate of mortality do. 0.87.

Mean do. do. years 1904–1913, 1.25.

NOTE.—“ Rate ”=per 1000 per annum.

STATISTICS.

POPULATION.

The population on the basis of the Registrar-General's method of computation, estimated to mid-year 1914, was 112,265, or an increase of 1,383 for the year, equal to 1.23 per cent. of the total number of inhabitants.

The following table shows the changes in the population census by census since the year 1831, and the change per cent. :—

Census.	Population.	Variation.	Rate per cent.
1831	36732	..	..
1841	44933	+ 8201	+ 22
1851	54073	+ 9140	+ 20
1861	60940	+ 6867	+ 12
1871	70253	+ 9313	+ 15
1881	81823	+11570	+ 16
1891	†95420	+13597	+ 16
1901	95047	– 373	–0.39
1911	107821	+12774	+ 13

† Including the district of Longwood, which was added in 1890, and had a Census population in 1891 of 5,406 persons.

+ Increase. – Decrease.

MARRIAGES.

The number of marriages solemnised in the Borough was 975, equal to 8.68 per 1,000 of the population, comparing with 918, the number for the year, 1913, with a rate of 8.28 per 1,000 of the population.

The following table shows the average annual number of marriages in the Borough, and in the Huddersfield Union in five yearly periods from 1876 to 1910, and the numbers for the years 1911, 1912, 1913, and 1914 :—

Periods.	Borough of Huddersfield.	Huddersfield Poor Law Union.	Average Population of the Borough.
1876-80	820	1178	78919
1881-85	852	1247	84633
1886-90	843	1279	91440
1891-95	844	1298	95336
1896-00	882	1384	95149
1901-05	916	1422	97821
1906-10	914	1486	104192
			Population of the Borough.
1911	971	1494	108144
1912	966	1523	109512
1913	918	1458	110882
1914	975	1479	112265

BIRTHS.

In Tables A, and No. 7 (post) will be found details of the birth-rates in the various districts of the Borough. The following short statement gives the population, births, and birth-rate for the years 1872, 1882, 1892, 1902, and 1912.

Year.	Population.	Births.	Birth-rate.
1872	71,780	2,682	37.5
1882	83,271	2,562	30.8
1892	95,373	2,214	23.3
1902	96,573	2,354	24.0
1912	109,512	2,056	18.8

It will be seen that the birth-rate has fallen practically 50 per cent. lower than the birth-rate for the year 1872, and 22 per cent. lower than the birth-rate for 1902.

A table showing the population, deaths, births, and natural increase of population year by year for the period 1872 to 1914 inclusive, is given on page 22.

During the year 2,030 births were registered, less by 166 than during 1913. During 1912 the number of births was greater than in 1911, but this year the number is less than during 1912. The difference amounts to 206. No particular reason for this is apparent. The only conclusion seems to be that the phenomenon is an expression of the general tendency observable in this, and other countries for the people to marry later in life, and to restrict their families.

The sexes and rates for the year and for each quarter are shown in the table below.

1914.	Males.	Females.	Totals.	Birth-rate.
1st Quarter.	256	248	504	18.02
2nd ,,	260	272	532	19.01
3rd ,,	255	281	536	19.16
4th ,,	236	222	458	16.37
Totals ..	1007	1023	2030	18.08

This table cannot be corrected by the Registrar-General's transferable births. Sufficient details are not available.

ENGLAND AND WALES, 1914. BIRTH RATES, AND INFANTILE MORTALITY RATES.

	Estimated Population to Middle of 1914.	Number of Births, 1914.	Birth-rate per 1,000 persons living at all ages.	Infant Mortality Annual Death- rate of Infants under 1 year per 1,000 Births.
England & Wales	37,302,983	878,822	23.8	105
97 Great Towns ..	17,980,576	447,783	25.0	114
145 Smaller Towns	4,655,326	111,467	23.9	104
Huddersfield ..	112,265	2,030	18.08	112

Births in the Huddersfield Poor Law Union.

Sub. Reg. District.	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
Huddersfield ..	1269	1313	1293	1233	1292	1111	1127	1057	1114	1001	1062	950	1002	966	1099	1059	1133	1104	1042	1091	1090	1071	1078	1055	1094	1117	1101	1022	1010	1015	1042	990
Almondbury ..	404	440	410	363	394	374	383	359	362	321	355	302	332	352	393	485	622	638	574	597	559	547	545	582	530	530	540	510	496	454	457	481
Kirkheaton ..	298	374	448	391	397	412	394	349	367	380	372	335	334	322	359	282	135	139	149	154	140	161	159	151	142	131	138	152	136	126	142	135
Kirkburton ..	341	371	317	330	382	338	346	298	328	303	278	297	286	282	255	289	280	290	270	306	310	332	292	306	297	288	317	308	291	309	285	300
New Mill ..	207	196	196	202	185	167	174	154	183	157	159	140	162	151	160	156	149	152	135	135	149	145	133	151	141	141	119	122	129	119	112	111
Holmfirth ..	307	289	299	278	268	273	290	241	262	231	234	223	214	236	204	221	190	188	183	202	196	202	167	197	184	183	176	190	163	157	149	159
Honley ..	355	373	351	334	376	342	329	323	345	336	303	258	294	290	291	316	270	272	284	297	284	276	270	266	305	265	273	223	273	230	247	219
Lockwood ..	510	544	508	484	473	507	463	449	455	459	438	395	484	402	504	608	621	651	573	614	614	638	633	677	588	662	681	633	622	611	668	564
Slaithwaite ..	279	294	283	249	254	260	245	249	273	308	315	295	274	278	226	239	212	224	196	217	212	208	216	215	230	224	242	194	224	239	219	232
Golcar ..	707	680	651	662	660	640	657	552	582	610	591	493	502	527	547	421	436	413	416	370	400	387	381	397	433	377	396	377	412	426	412	362
Totals ..	4677	4874	4756	4526	4681	4424	4408	4031	4271	4106	4107	3688	3884	3806	4038	4076	4048	4071	3822	3983	3954	3967	3874	3997	3944	3918	3983	3731	3756	3686	3733	3553

For the information relating to the Poor Law Union I am indebted to Mr. Armitage, Clerk to the Guardians.
NOTE.—In July, 1898, Dalton was transferred from Kirkheaton district to Almondbury, which will explain the serious decrease in the former and increase in the latter.
In March, 1898, Lindley and Longwood were transferred from Golcar to Lockwood.

DIAGRAM No. 1.

DEATHS (ALL CAUSES).

Chart showing Percentage Departure from the Mean
year by year, 1870-1914

Mean of Death-rates, 1870-1914,
18.91 per 1000 living.

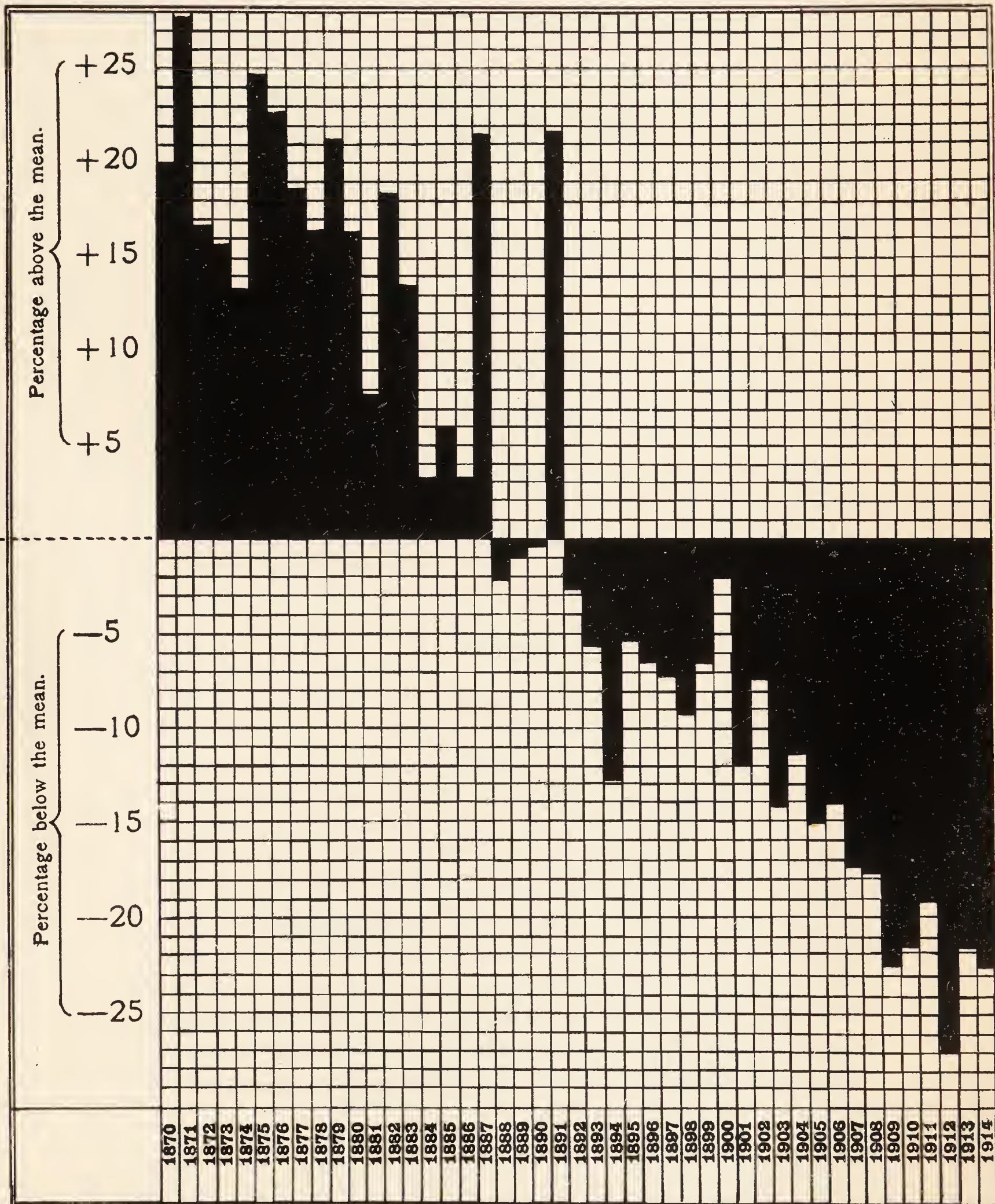
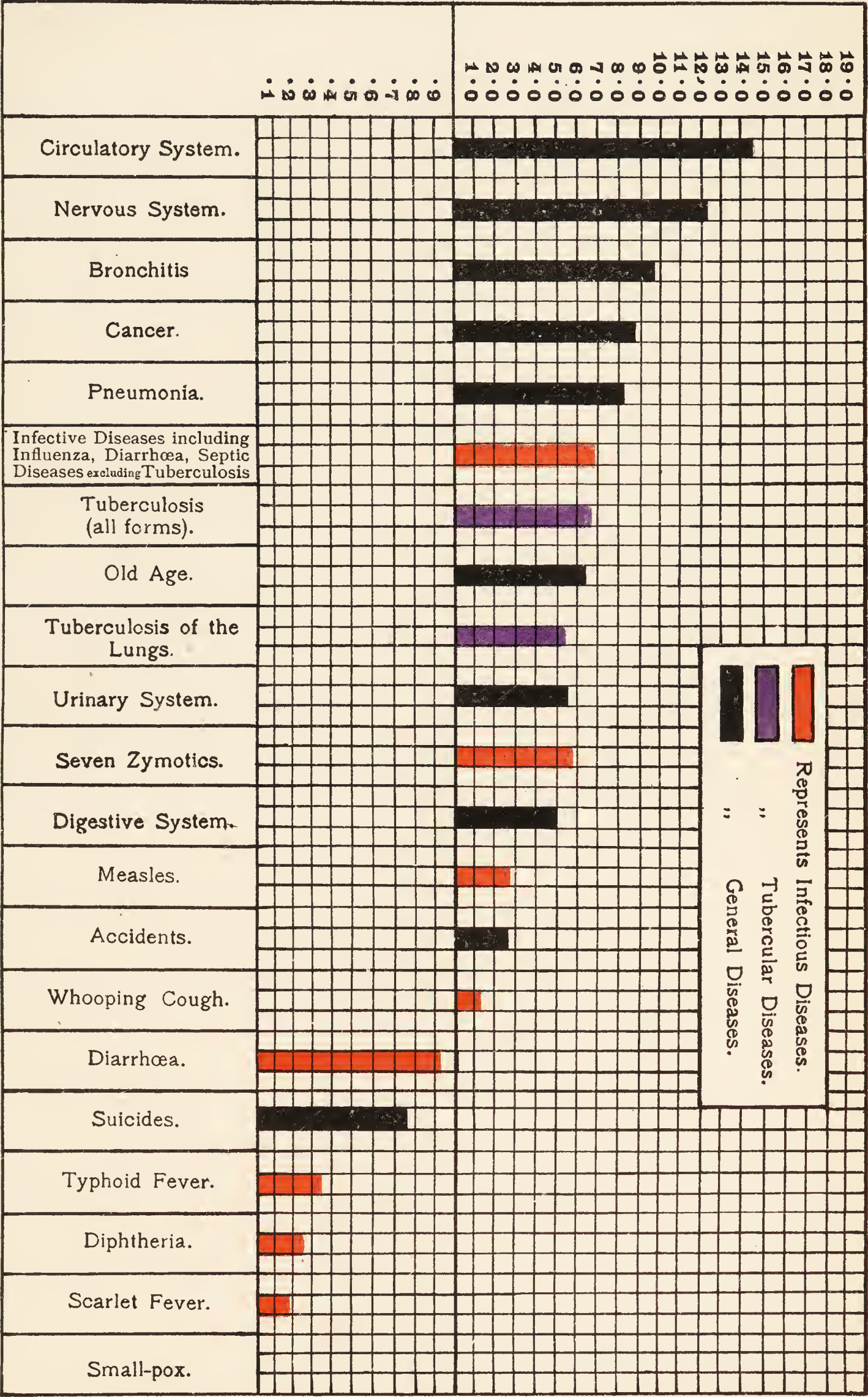


DIAGRAM No. 2.

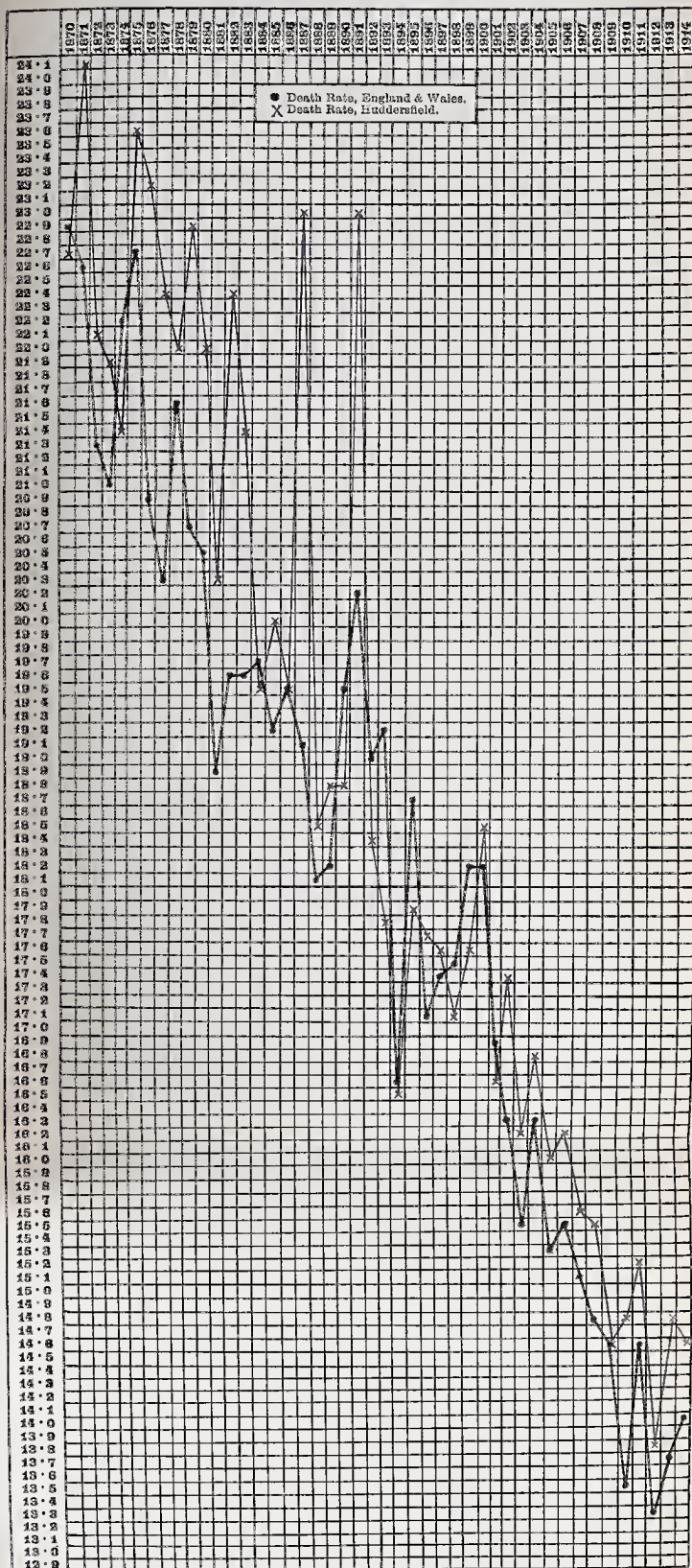
Diagram showing the proportion of the total deaths expressed as a percentage which certain diseases and classes of diseases have caused.



The facts represented graphically above are expressed in figures on page 13.

DIAGRAM No. 3.

Comparison between the Death Rates of England and Wales
and Huddersfield from 1870 to 1914.



MORTALITY.

During the year 1914 there were 1,649 deaths in the Borough.

The tabular statement below shows the proportion of the total deaths expressed as a percentage, which certain diseases and classes of disease have caused. The same facts are represented graphically in Diagram No. 2.

	Per cent.
All diseases of circulatory system, including all forms of Heart Disease	14.19
All diseases of nervous system, including Convulsions, Apoplexy and Epilepsy	12.19
Bronchitis	9.88
Cancer	8.85
Tuberculosis (all forms)	6.61
Old Age	6.25
Pneumonia	8.13
All Infective Diseases, including the seven Zymotics, Influenza, Infective Enteritis, Summer Diarrhœa, Gangrene and Pyaemia, but excluding all forms of Tuberculosis	6.97
Tuberculosis of the Lungs	5.28
Urinary System, including all forms of Kidney Disease	5.28
Seven Zymotic Diseases	5.93
	Per cent.
Diarrhœa	0.91
Measles	2.97
Typhoid Fever	0.36
Whooping Cough	1.27
Scarlet Fever	0.18
Diphtheria	0.24
Smallpox	0.00
All diseases of Digestive System, including Intestinal Obstruction, Gastric Ulcer and Appendicitis ..	4.91
Accidents	2.61
Suicides	0.73
	97.81

Deaths at different age periods, expressed in percentages of the total deaths for 1911, 1912, 1913 and 1914 :—

		1911.	1912.	1913.	1914.
Aged under 1 year	..	17.19	13.21	13.64	13.76
„ 1 to 2 years	..	4.04	3.45	3.49	4.79
„ 2 to 5 years	..	3.85	3.45	3.06	3.33
„ 5 to 15 years	..	3.67	3.45	2.76	3.52
„ 15 to 25 years	..	3.67	3.98	4.21	3.40
„ 25 to 45 years	..	11.80	15.13	14.60	12.13
„ 45 to 65 years	..	26.79	27.87	27.82	29.41
„ 65 years and over ..	..	28.99	29.46	30.41	29.65

DEATHS IN PUBLIC INSTITUTIONS

of persons resident in the Borough.

In the Sanatorium for infectious diseases	26 deaths occurred.
In the Huddersfield Royal Infirmary ..	84 ..
In Nursing Homes	9 ..
In the Poor Law Workhouses	91 ..
In the West Riding Lunatic Asylums ..	46 ..

INFANT MORTALITY IN HUDDERSFIELD.

Before the special work against Infant Mortality was undertaken in Huddersfield the mean Infant Mortality Rate for the years 1877 to 1904 inclusive was 156. The mean from 1905 to 1914 inclusive is 110, a reduction of 29.5 per cent.

The saving of life on the above figures is accordingly 46 per 1,000 children born.

In Huddersfield during the past ten years (1905–1914) there have been 21,980 births, viz :—

1905	..	..	..	2256
1906	..	..	..	2301
1907	..	..	..	2189
1908	..	..	..	2348
1909	..	..	..	2318
1910	..	..	..	2164
1911	..	..	..	2122
1912	..	..	..	2056
1913	..	..	..	2196
1914	..	..	..	2030

21980=1011 saving effected.

101 per annum=average.

DEATHS AND DEATH RATE.

						Deaths	Death Rate.
1905	..	..	..	..	..	1605	16.05
1906	..	..	..	..	..	1638	16.18
1907	..	..	..	..	..	1601	15.61
1908	..	..	..	..	..	1645	15.54
1909	..	..	..	..	..	1539	14.64
1910	..	..	..	..	..	1571	14.76
1911	..	..	..	..	..	1635	15.17
1912	..	..	..	..	..	1507	13.81
1913	..	..	..	..	..	1664	14.77
1914	..	..	..	..	..	1649	14.69

Assuming infants under one year of age had continued to die at the same rates as prevailed before the adoption of special measures, against Infant Mortality, the deaths and rates for the years 1905–1914 would have been :—

						Deaths.	Death Rate.
1905	..	..	..	..	..	1706	17.98
1906	..	..	..	..	..	1739	17.12
1907	..	..	..	..	..	1702	16.54
1908	..	..	..	..	..	1746	16.76
1909	..	..	..	..	..	1640	15.55
1910	..	..	..	..	..	1672	15.65
1911	..	..	..	..	..	1736	16.05
1912	..	..	..	..	..	1608	14.68
1913	..	..	..	..	..	1765	15.92
1914	..	..	..	..	..	1750	15.59

On this basis the average death rate for the last five years, 1910-1914, would have been 15.58 per 1,000, whereas the actual figure is 14.62.

The saving, therefore, in the death rate by the reduction in the Infant Mortality rate is equivalent to 6 per cent. of the total rate.

The following three graphic representations and tabular statement relative to Infant Mortality in Huddersfield show (1) how the rate varies from the average of the 37 years 1877 to 1914, (2) the variation in the Infant Mortality rate year by year, (3) the diseases which caused the principle amount of Infant Mortality during the year, and (4) the Infant Mortality figure week by week since 1896.

Diagram No. 6 is of considerable interest. It shews that the two principal causes of death are premature birth and bronchitis, followed closely by pneumonia and convulsions, and, in conjunction with two well-known facts, teaches us an important lesson.

Deaths of infants from bronchitis and pneumonia are absent from the death returns in warm weather. Deaths of infants from diarrhoea are absent from the returns in cold weather. Here is a key-note, a foundation, a base. These facts clearly show that such deaths come to infants from outside.

Infants can be, ought to be, and must be, protected from the outside influences which come to them and destroy them.

It is well-known that measles most frequently causes death through complications affecting the respiratory apparatus. The disease is only very infrequently of sufficient intensity to cause death *per se*. Commonly bronchitis, broncho-pneumonia, and pneumonia supervene, and are the direct cause of death.

This has been established from the study of measles, but in relationship with infant mortality it is of important significance, as the following figures show :—

During the second half of the year 1914 an epidemic of measles prevailed in Huddersfield. Eight deaths under one year of age were directly attributed to measles during the last four months of the year.

DIAGRAM No. 4.

INFANT MORTALITY.

Diagram showing Departure from the Mean year by year
for the Thirty-Eight Years, 1877-1914.

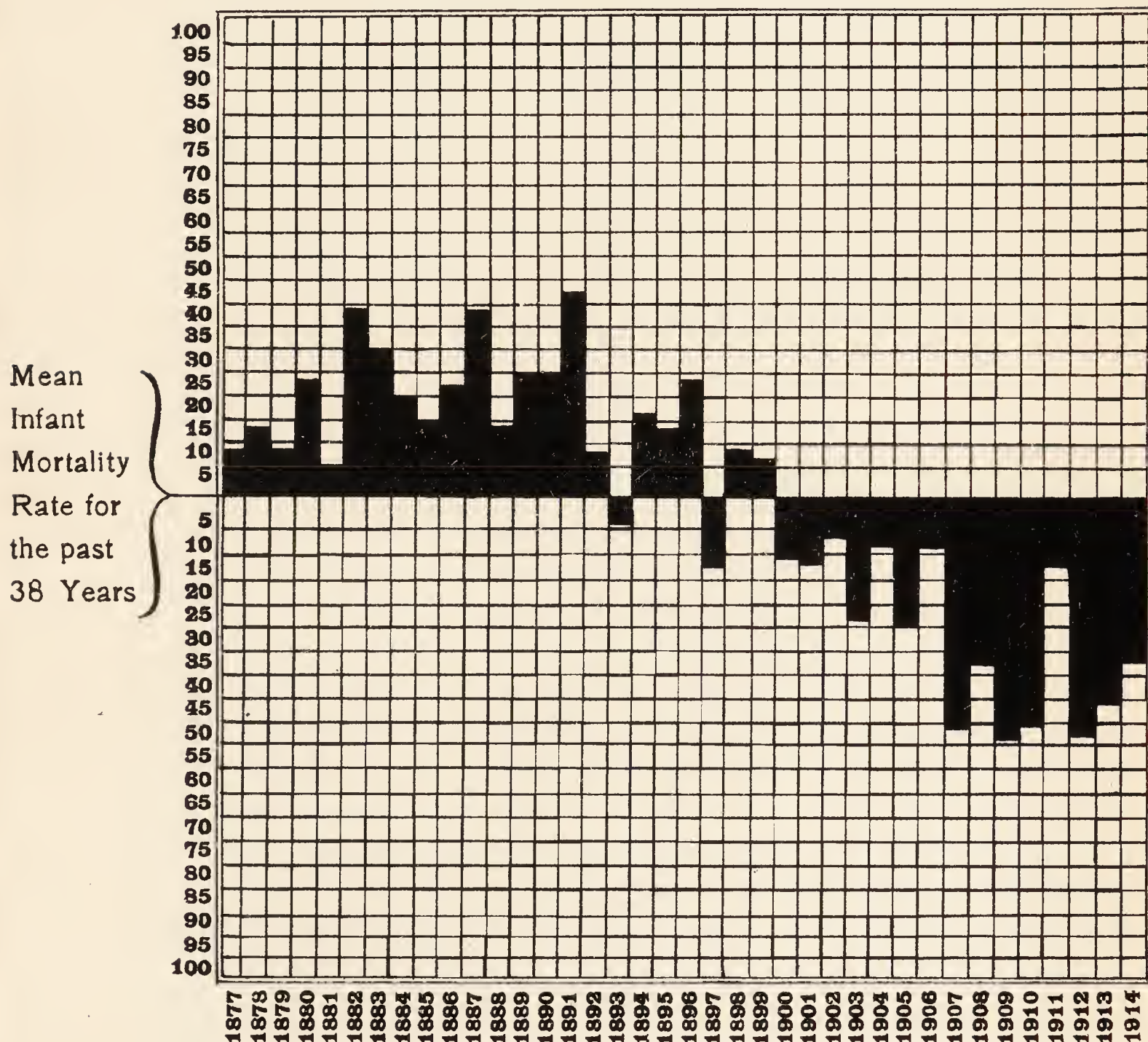


DIAGRAM No. 5.

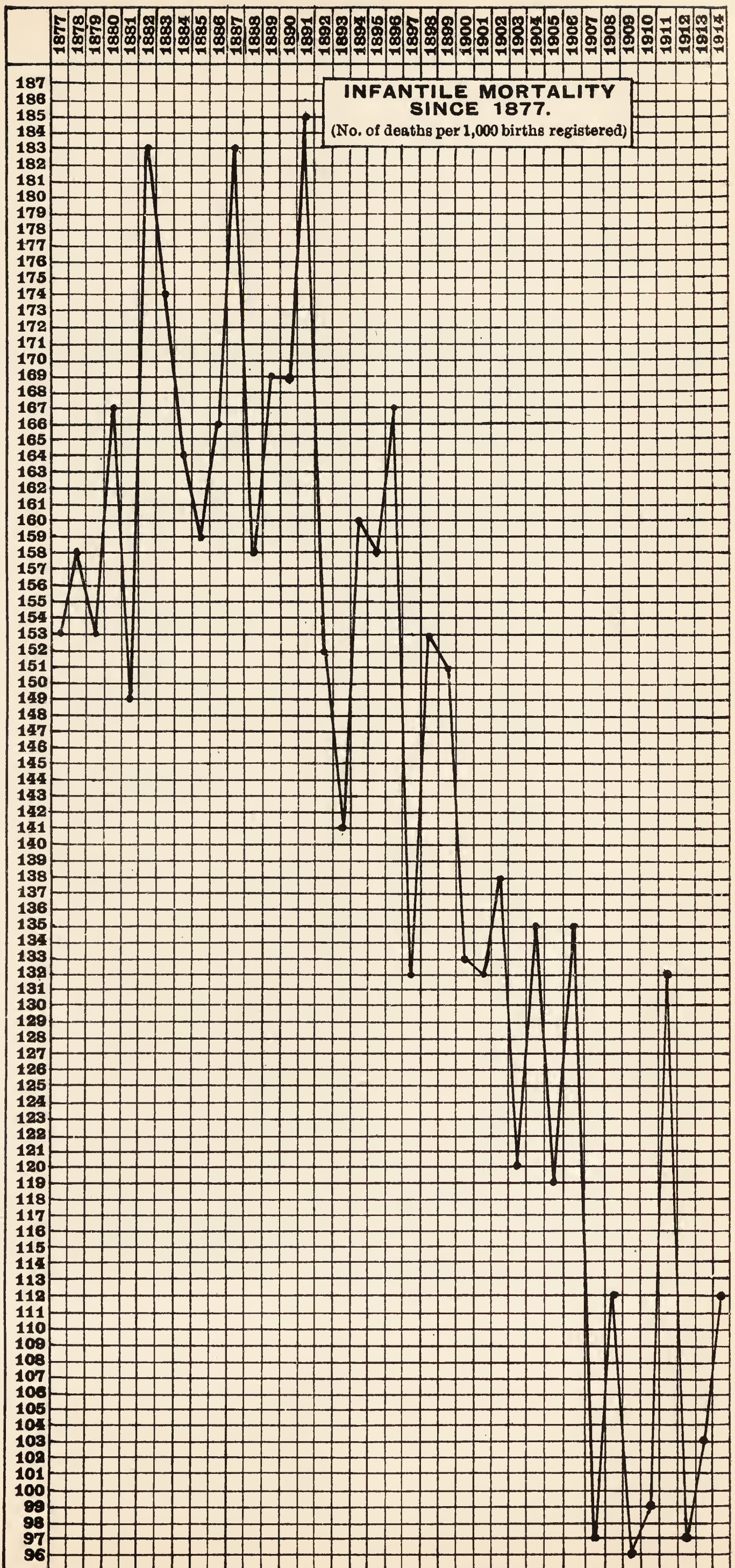
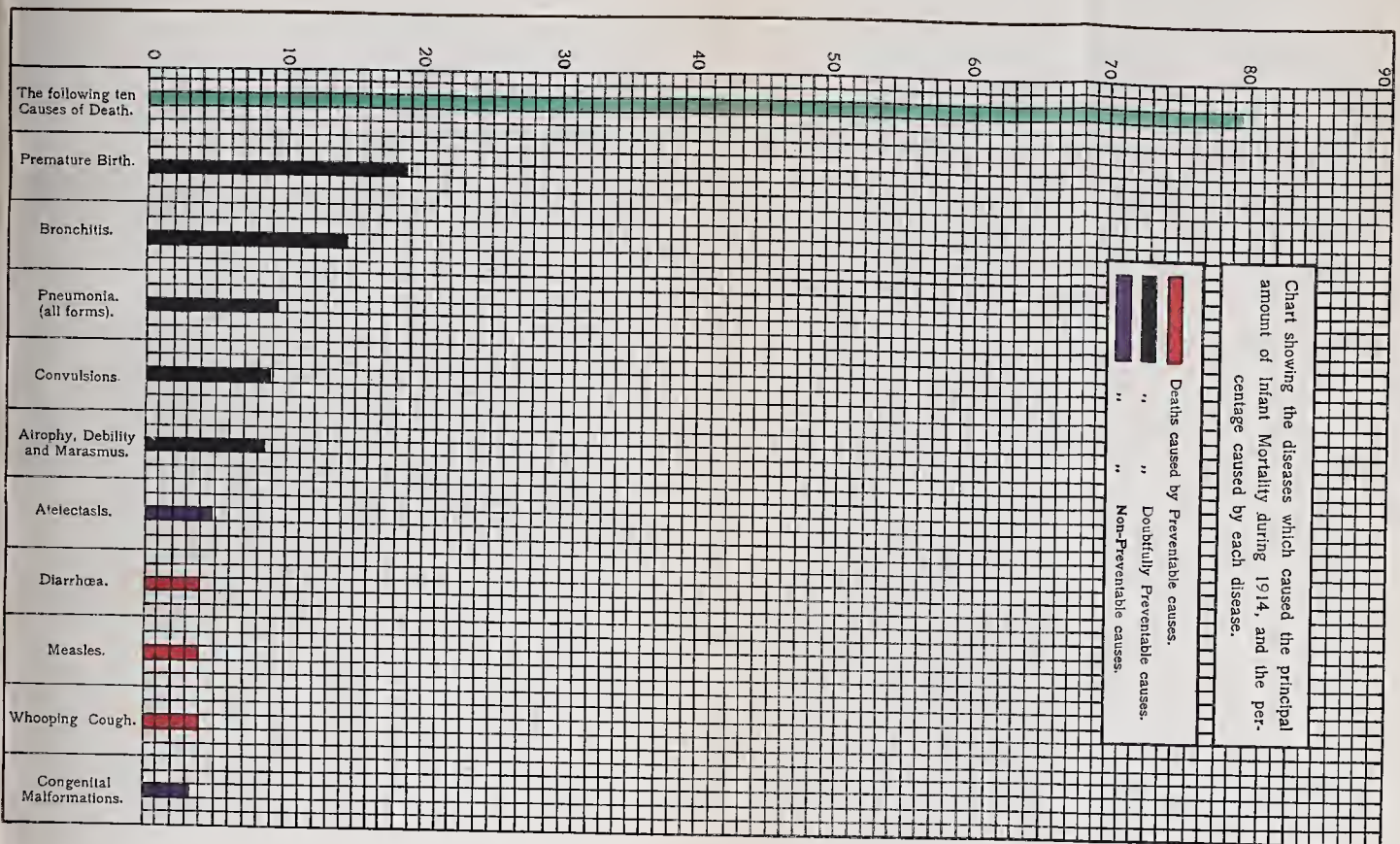


DIAGRAM NO. 6.



In the same period 25 deaths of infants under one year were similarly attributed to measles, bronchitis, broncho-pneumonia, and pneumonia. During this same period the number of births in the Borough was 645, the total number of deaths from all causes under one year was 81, giving an infant mortality figure of 126 for that period.

The infant mortality figure, less measles, would have been 113, less measles and bronchitis, broncho-pneumonia, and pneumonia, it would have been 87.

Of course, it is not suggested that all the deaths from chest diseases were the sequel of measles, nor is that the opinion desired to be established. It is well-known, and has already been set forth above, that these causes of death among infants are absent from the death returns during the summer months, therefore they **come to the child from outside.**

The infants can be protected from these causes of death. Why is it not done ?

A careful examination of the problem reveals the fact that it hardly lies within the proper function of any public authority to do more than spread information to educate the people. One need only pass along the streets at night in winter time to actually see infants being killed. At all hours they are out with their parents in all weathers. For so long as public opinion permits such improper exposure of these helpless little ones, for so long will this lamentable mortality persist.

From this point of view premature births are different altogether. The causes are frequently obscure. They commonly reside in the parents before conception, and are very largely outside the reach of Public Health Officers. They rather lie in the spheres of activity of the Clergy, Social Reformer, and the Educationalist.

Pending the arrival of the "Golden Age," which will be marked by adequate resources for sanitation, it seems to be wise to devote the limited means at our disposal to work along those lines which promise the most readily accessible results.

INFANT MORTALITY FIGURES

Week by Week since 1896.

	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
The first week	290	229	175	82	83	78	152	185	38	169	163	75	74	125	125	85	91	43	195
The first two weeks	187	221	124	115	77	92	172	117	56	196	129	77	89	98	122	83	71	80	205
The first three weeks	208	179	125	122	82	111	163	161	58	172	107	88	92	79	96	80	69	63	186
The first four weeks	203	163	133	128	74	106	156	123	53	177	79	87	85	97	101	95	76	89	161
The first five weeks	176	144	126	139	92	112	145	118	70	185	72	95	84	82	110	87	77	95	164
The first six weeks	169	131	134	142	98	107	156	123	80	189	72	92	92	83	109	108	75	85	155
The first seven weeks	186	130	134	135	92	99	147	121	81	179	67	91	95	85	110	99	85	79	146
The first eight weeks	173	125	145	141	92	93	150	123	88	166	76	95	91	95	107	89	90	76	132
The first nine weeks	167	120	143	132	93	91	154	130	102	162	85	89	94	100	105	96	100	83	125
The first ten weeks	182	119	138	130	91	94	153	128	102	155	86	87	91	100	107	92	112	75	112
The first eleven weeks	183	117	138	137	96	91	153	133	100	146	85	98	92	103	102	93	107	80	102
The first twelve weeks	185	122	142	133	99	96	141	141	107	143	81	96	85	104	108	108	109	81	108
The first thirteen weeks	188	124	143	135	99	104	139	132	113	139	87	99	86	98	110	114	108	78	107
The first fourteen weeks	189	129	146	141	105	109	146	136	115	136	90	103	83	103	108	117	112	84	114
The first fifteen weeks	183	127	142	141	117	110	145	140	112	132	86	102	83	105	101	114	113	86	113
The first sixteen weeks	182	129	136	142	124	108	145	140	114	133	89	100	85	102	102	114	113	84	107
The first seventeen weeks ..	183	130	133	140	121	106	142	136	116	130	93	103	87	102	104	116	117	82	104
The first eighteen weeks	178	129	130	138	122	109	141	134	121	123	93	103	85	102	102	113	116	83	109
The first nineteen weeks	176	128	128	134	124	110	141	138	124	118	95	100	87	101	97	110	114	84	112
The first twenty weeks	179	129	130	131	129	108	143	137	124	117	94	99	87	100	97	109	115	86	111
The first twenty-one weeks	173	127	130	130	127	103	143	137	123	116	93	100	85	97	93	109	117	83	111
The first twenty-two weeks	173	124	131	126	125	101	140	136	121	114	94	101	86	95	93	104	119	81	111
The first twenty-three weeks	168	127	125	123	123	99	137	130	117	113	96	100	86	92	91	106	116	82	111
The first twenty-four weeks	166	122	124	123	122	97	137	126	115	114	98	99	84	93	91	102	113	82	111
The first twenty-five weeks ..	166	121	121	121	121	98	135	123	116	109	95	96	83	93	92	104	110	82	107
The first twenty-six weeks ..	164	118	120	120	120	99	136	122	117	109	98	96	82	92	93	100	108	81	107

INFANT MORTALITY FIGURES

Week by Week since 1896.—Continued.

	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
The first twenty-seven weeks	164	114	117	118	118	99	135	123	118	109	95	94	84	94	96	100	104	82	107
The first twenty-eight weeks	162	112	115	116	116	99	134	122	120	108	97	92	82	95	94	97	102	82	105
The first twenty-nine weeks	167	113	114	116	113	101	134	121	118	107	100	90	81	92	95	95	106	82	103
The first thirty weeks	173	112	115	116	112	111	133	119	123	105	104	88	82	95	94	99	105	81	106
The first thirty-one weeks ..	169	112	115	116	115	119	132	119	126	106	107	87	83	96	96	103	101	83	107
The first thirty-two weeks ..	169	113	114	118	119	126	133	118	131	104	109	85	84	93	94	114	99	84	107
The first thirty-three weeks	166	115	115	123	122	130	135	118	139	105	112	84	86	93	95	125	98	84	104
The first thirty-four weeks ..	166	114	119	133	123	132	134	118	141	105	116	84	88	93	94	133	98	88	106
The first thirty-five weeks ..	168	117	124	147	129	136	136	117	139	112	122	83	91	95	93	132	93	91	104
The first thirty-six weeks ..	168	118	129	154	128	137	136	117	140	114	127	82	90	95	95	137	96	96	102
The first thirty-seven weeks	166	119	140	155	131	136	138	116	140	115	131	81	91	93	94	138	94	101	102
The first thirty-eight weeks..	167	122	145	155	131	138	139	118	140	113	136	81	92	95	95	139	95	103	101
The first thirty-nine weeks ..	169	122	148	160	131	137	142	119	139	113	138	85	93	95	96	142	94	104	103
The first forty weeks	166	123	150	159	133	134	142	118	139	111	139	84	91	96	97	141	97	106	104
The first forty-one weeks ..	163	122	152	160	134	133	145	120	140	110	140	85	93	96	97	141	96	107	106
The first forty-two weeks ..	160	122	151	159	135	134	149	119	137	111	141	89	98	95	96	140	95	106	107
The first forty-three weeks ..	160	122	152	158	137	134	148	119	137	111	140	89	104	95	98	139	94	105	108
The first forty-four weeks ..	160	123	150	156	137	132	147	120	133	114	140	94	103	94	98	138	93	104	109
The first forty-five weeks	160	123	151	155	136	132	145	120	131	114	140	95	105	93	96	138	92	105	108
The first forty-six weeks	165	123	150	155	136	131	143	119	131	112	139	95	108	92	97	136	92	104	109
The first forty-seven weeks	165	124	150	153	134	131	141	119	130	112	139	96	109	93	99	137	91	103	109
The first forty-eight weeks ..	164	124	152	153	134	130	140	121	127	112	137	96	110	94	100	134	92	102	110
The first forty-nine weeks ..	164	126	150	152	133	130	137	120	128	114	135	97	111	94	100	134	92	102	110
The first fifty weeks	167	125	151	151	133	130	138	120	129	113	134	96	113	94	99	135	93	103	110
The first fifty-one weeks	166	127	152	151	133	132	137	121	133	114	135	96	111	94	98	133	95	102	111
The first fifty-two weeks	168	132	153	151	133	132	138	120	135	119	135	97	112	96	99	132	97	102	112
The first fifty-three weeks ..	167						138						112					103	

SAVING OF INFANT LIFE.

The number of children born during the years 1907-8-9-10-11-12-13-14 was 17,423. If the Infant Mortality figure during these eight years had been 154, that is the average rate for the 30 years 1877-1906, the number of deaths under one year of age would have been 2,683. The number of deaths which actually occurred during this eight years' period was 1,846. There is thus an apparent local saving of life of 837 persons.

The following figures represent graphically the foregoing statement :—

Former Rate.

Present Rate.

Lives Saved.



INSPECTION OF MIDWIVES.

In the year under review, 26 Midwives notified their intention to practise in the Borough. Three of them did not attend any cases during the year, and one acted only as a Monthly Nurse, hence 22 were in active employment. Altogether there were 1,125 out of a total of 2,030 births, attended by Midwives.

A Doctor was present in 299 of these cases, being engaged beforehand in 244 instances, and sent for on account of abnormalities in 55 cases.

The Midwives undertook 826 cases without medical aid.

Since 1st April, 1910, the regulations made under power conferred by the Midwives' Act have been enforced in Huddersfield.

Four cases of Puerperal Fever were notified during the year. One of these occurred in a Midwife's practice, but a Medical man was also in attendance. The patient recovered.

One death from Puerperal Fever occurred. The patient was attended by a Medical Practitioner.

Only 10 Midwives are trained out of the 26 registered. Among the remaining 16, the standard of cleanliness is well maintained. A Medical Officer regularly visits each one, the inspection prescribed by the Regulations is carefully carried out. Special attention is given to secure the surgical cleanliness of implements, and apparatus required at labours. The improvement secured by these inspections is satisfactory.

Mrs. B———t has again attended the largest number of cases, 164 altogether. Of these, she attended 145 without the assistance of a Doctor. She is one of the oldest practising untrained midwives in the Borough.

The following table gives the Population, Births, and Deaths, with the excess of births over deaths for the past 43 years :—

Years.	Population.	Births.	Deaths.	Excess of Births over Deaths.
1914	112265	2030	1649	381
1913	110882	2196	1664	532
1912	109512	2056	1507	549
1911	108144	2122	1635	487
1910	106820	2164	1571	593
1909	105492	2318	1539	779
1908	104178	2348	1645	703
1907	102877	2189	1601	588
1906	101591	2301	1638	663
1905	100317	2256	1605	651
1904	99056	2243	1657	586
1903	97808	2252	1584	668
1902	96573	2354	1710	644
1901	95351	2175	1581	594
1900	95074	2376	1752	624
1899	95112	2374	1671	703
1898	95149	2295	1625	670
1897	95187	2365	1666	699
1896	95224	2096	1712	384
1895	95261	2151	1699	452
1894	95299	1988	1563	425
1893	95336	2311	1695	616
1892	95373	2214	1746	468
1891	95410	2324	2189	135
1890	94253	2167	1804	363
1889	92825	2276	1738	538
1888	91419	2243	1686	557
1887	90034	2487	2063	424
1886	88670	2385	1727	658
1885	87327	2530	1745	785
1884	86004	2576	1707	869
1883	84450	2488	1799	689
1882	83271	2562	1857	705
1881	82113	2567	1665	902
1880	81780	2545	1797	748
1879	80245	2598	1871	727
1878	78900	2759	1733	1026
1877	77600	2705	1735	970
1876	76072	2664	1760	904
1875	75069	2735	1770	965
1874	74150	2571	1585	986
1873	72940	2641	1525	1116
1872	71780	2682	1674	1008

GENERAL, ZYMOTIC, TUBERCULAR, AND INFANTILE MORTALITY.

The following is a table showing the rates of Mortality in Huddersfield for the year 1914, and each of its quarters, from all causes, from the seven Zymotic diseases, from all forms of Tuberculosis; and the ratio of the deaths in children under one year, to a thousand births in the same periods, with the infant mortality figure in the 97 large Towns.

Quarter.	HUDDERSFIELD.				97 TOWNS.	
	All Causes.	Seven Zymotics.	Tuberculosis: all forms.	Children under one per 1,000 births.	All Causes.	Children under one per 1,000 births.
I.	15.91	0.29	1.04	107	16.4	116
II.	13.62	0.50	1.07	107	13.8	93
III.	13.01	0.67	0.82	95	13.2	128
IV.	16.41	2.03	0.96	142	14.9	117
Year 1914	14.69	0.87	0.97	112	15.0	114

SIMILAR TABLE FOR 1913.

Quarter.	HUDDERSFIELD.				96 TOWNS.	
	All Causes.	Seven Zymotics.	Tuberculosis: all forms.	Children under one per 1,000 births.	All Causes.	Children under one per 1,000 births.
I.	16.36	0.69	1.63	78	16.9	125
II.	14.88	0.43	1.16	84	13.5	91
III.	14.26	1.56	1.19	154	12.7	125
IV.	13.68	0.61	1.04	101	14.2	125
Year 1913	14.77	0.82	1.25	103	14.3	117

SMALL POX.

In the second quarter of the year, a boy aged 15 years was notified as suffering from this disease. He was removed to the Small Pox Hospital. He recovered from his illness.

The source of the infection was traced. The preventive measures adopted, including the vaccination of all contacts, were successful. The disease was limited to the initial case.

See other Notifiable Diseases (Small Pox included there).

INFECTIOUS DISEASES.

The Zymotic death rate for the year compares favourably with the mean rate for the ten preceding years, 1904–1913. The rates being 0.87 and 1.25 per 1,000 respectively. The rate is a slight increase on that for last year, when it was 0.82 per 1,000.

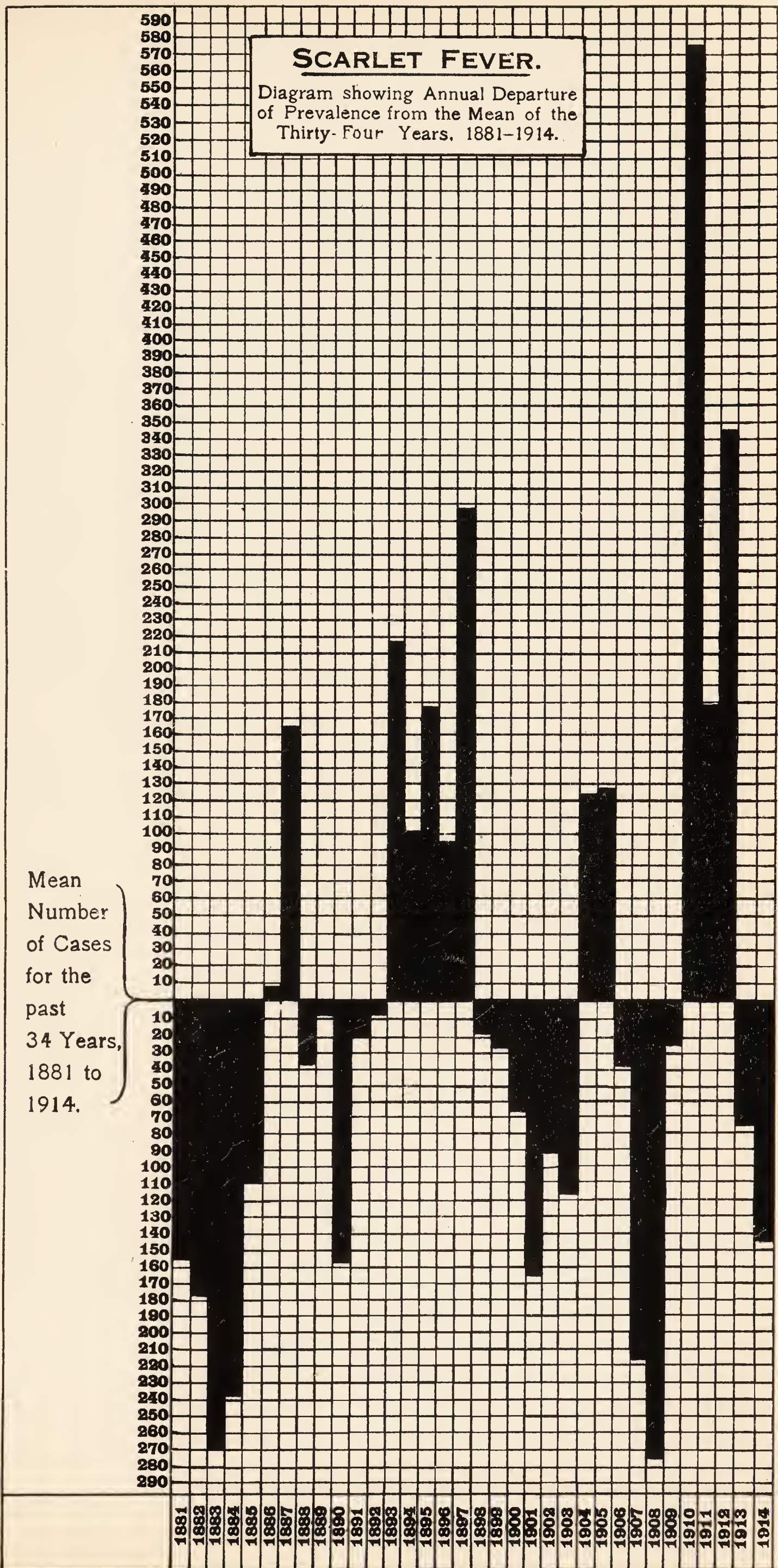
The following tabular statement shows the deaths year by year from each of the seven Zymotic diseases since 1907 :—

	1907	1908	1909	1910	1911	1912	1913	1914
Measles	10	66	18	10	17	21	25	49
Scarlet Fever	6	3	9	18	16	22	7	3
Diphtheria	8	8	20	15	22	9	6	4
Whooping Cough ..	18	14	15	29	11	26	8	21
Typhoid and other Fevers	11	9	11	5	8	2	9	6
Zymotic Enteritis ..	20	59	26	30	123	11	37	15
Small Pox	0	0	0	0	0	0	0	0
	73	159	99	107	197	91	92	98

The percentage of the Zymotic death rate which each Zymotic disease has been responsible for during the years 1913 and 1914, is shown below :—

	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Zymotic Enteritis.	Small Pox.
1913	27.2	7.6	6.5	8.7	9.8	40.2	..
1914	50.0	3.1	4.1	21.4	6.1	15.3	..

DIAGRAM No. 7.



SCARLET FEVER.

The number of cases of Scarlet Fever, known in the Borough during the year, amounted to 216, as compared with 288 for 1913, 706 for 1912, 540 for 1911, and 937 for 1910. The average number of cases for the 34 years, 1881-1914, was 361.

Out of the total cases notified, 202, equal to 93.52 per cent., were treated in the Sanatorium. The table on page 26 shows the annual percentage of cases removed to the hospital for so far back as 1880. Out of these 202 cases treated in hospital three deaths occurred, one of which was returned as due to Ulcerative Stomatitis. The mortality per hundred cases treated amounted to 1.5, comparing with 2.5, the case mortality for hospital treated cases during 1913. These facts show the continued appreciation and value of the hospital to the inhabitants of Huddersfield.

One death occurred among the fourteen home-treated cases.

The death rate from this disease during the year was 0.02 per 1,000, as against 0.06 per 1,000 for 1913, and 0.10 per 1,000, the average for the 10 years, 1904-1913.

Special measures have been taken to combat this disease throughout the year, each case notified being visited by a Medical Officer of the Department, and complete enquiry made, with a view to trace the origin of each case and to prevent extension of the disease.

Table showing the incidence of Scarlet Fever in Huddersfield since 1875, together with other particulars.

(Notification of Scarlet Fever, first adopted in 1876. Hospital Isolation of Scarlet Fever commenced about same time).

Year.	Estimated population.	Total No. of Cases notified.	No. under 5 years of age.	Total No. of Deaths registered.	No. of Cases treated in Hospit'l	Attack rate per 1000 population.	Mortality per 1000 population.	Per-centage-removed to Hospital.	No. of Deaths in Hospit'l	Notes.
1875	75069	..	..	45	..	..	0.6	..	..	Old reports by M.O.H. state that notification not yet carried out satisfactorily
1876	76072	..	..	83	..	..	1.1	..	..	
1877	77600	128	..	64	81	..	0.8	..	1	
1878	78900	250	..	48	177	..	0.6	..	4	
1879	80245	..	..	90	154	..	1.1	..	12	
1880	81780	138	61	23	30	1.69	0.28	21.73	6	This year the Medical men without exception notified loyally. (See Annual Report of M.O.H.)
1881	82113	206	71	17	119	2.51	0.21	57.76	7	
1882	83271	184	51	22	119	2.21	0.26	64.67	9	
1883	84450	91	..	7	43	1.08	0.08	45.05	2	
1884	86004	123	..	7	94	1.43	0.08	76.42	2	
1885	87327	251	..	11	185	2.87	0.13	73.70	4	
1886	88670	369	109	33	243	4.16	0.37	65.85	12	
1887	90034	526	144	31	364	5.84	0.35	69.20	17	
1888	91419	326	85	26	233	3.57	0.29	71.47	13	
1889	92825	354	106	26	309	3.81	0.28	87.28	17	
1890	94253	204	48	7	169	2.16	0.07	82.84	5	
1891	95410	341	101	30	296	3.57	0.31	86.80	17	
1892	95373	354	67	18	322	3.71	0.19	90.96	15	
1893	95336	579	129	25	509	6.07	0.26	87.91	17	
1894	95299	462	107	23	397	4.85	0.24	85.93	16	
1895	95261	539	122	20	485	5.66	0.21	89.98	9	
1896	95224	456	103	18	406	4.79	0.19	89.04	11	
1897	95187	658	167	32	608	6.91	0.34	92.40	20	
1898	95149	344	116	10	314	3.62	0.10	91.25	6	
1899	95112	333	66	7	318	3.50	0.07	95.49	5	
1900	95074	294	84	18	268	3.09	0.19	91.16	15	
1901	95351	198	65	6	183	2.08	0.06	92.42	6	
1902	96573	270	65	11	250	2.80	0.11	92.59	10	
1903	97808	244	72	15	230	2.49	0.15	94.26	15	
1904	99056	485	102	10	457	4.90	0.10	94.23	9	
1905	100317	488	117	11	461	4.86	0.11	94.47	8	
1906	101591	322	80	7	287	3.17	0.07	89.13	7	
1907	102877	145	35	6	130	1.41	0.06	89.66	5	
1908	104178	88	29	3	76	0.84	0.03	86.36	3	
1909	105492	337	78	9	311	3.19	0.09	92.28	7	
1910	106820	937	238	18	907	8.77	0.17	96.80	15	
1911	108144	540	116	16	521	4.99	0.15	96.48	15	
1912	109512	706	155	22	684	6.45	0.20	96.88	19	
1913	110882	288	61	7	281	2.60	0.06	97.57	7	
1914	112265	216	50	3	202	1.92	0.02	93.52	3*	

* One of these deaths was due to Ulcerative Stomatitis.

Table showing the number of cases of **Scarlet Fever** known to have existed in Huddersfield during the years 1900–1914, the number occurring in each quarter of these years, and the deaths registered from the same disease ; also the average cases and deaths per quarter in the five years 1900–1904, 1905–1909, and 1910–1914.

Quarters.	1900		1901		1902		1903		1904		Averages of five years 1900-1904		1905		1906		1907		1908		1909		Averages of five years 1905-1909		1910		1911		1912		1913		1914		Averages of five years 1910-1914	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
I.	66	2	25	2	49	..	69	4	78	1	57	2	172	3	97	1	41	1	27	1	35	2	74	2	249	7	148	3	96	4	133	6	44	..	134	4
II.	97	6	64	..	56	1	66	5	72	1	71	3	87	1	69	2	29	1	30	2	78	2	59	1	190	3	104	7	263	5	54	..	41	1	130	3
III.	68	6	69	4	83	4	60	5	138	2	84	4	87	2	97	1	30	2	15	..	51	1	56	1	268	5	105	3	145	4	52	..	58	1	126	3
IV.	63	5	40	..	82	6	49	1	197	6	86	3	142	5	59	3	45	2	16	..	173	4	87	3	230	3	183	3	202	9	49	1	73	1	147	3
Year.	294	19	198	6	270	11	244	15	485	10	298	12	488	11	322	7	145	6	88	3	337	9	276	7	937	18	540	16	706	22	288	7	216	3	537	13

TYPHOID FEVER.

The prevalence of this disease during the year has been well below the mean, 21 cases have been notified as against 41, the average for the ten years ended 1913. This is an increase of one case over last year, but is not quite so satisfactory as in 1912, when the number was 14.

Six deaths took place during the year, four of which occurred in the Sanatorium, one, a "transferable," death taking place in the Storthes Hall Asylum, and one at home. The death rate for the year was 0.05 per 1,000 inhabitants.

Seventeen out of the 21 cases were treated in the Sanatorium.

The four remaining cases were treated at home ; among these a single death occurred.

A reference to the table on page 43 will show the number of cases, the numbers treated at home and in the Sanatorium, and the case mortality per 100 cases treated, both at home and in the Sanatorium, year by year, since 1893.

Table showing the number of cases of **Typhoid Fever** known to have existed in Huddersfield during the years 1900–1914, showing the number occurring in each quarter of these years, and the deaths registered from the same disease, also the average cases and deaths per quarter in the five years 1900–1904, 1905–1909 and 1910–1914.

Quarters.	1900		1901		1902		1903		1904		Averages of five years 1900-1904		1905		1906		1907		1908		1909		Averages of five years 1905-1909		1910		1911		1912		1913		1914		Averages of five years 1910-1914	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.		
I.	9	3	4	1	8	1	8	2	10	4	11	3	10	7	1	1	24	4	11	4	7	2	6	..	5	1	3	1	..	2*	4	1	4	1		
II.	15	5	14	..	3	2	5	1	7	4	7	..	5	4	4	3	7	5	6	3	2	..	3	..	1	..	2	1	..	..	2	0	2	0		
III.	13	6	30	10	7	..	10	1	31	6	25	3	9	..	3	..	6	..	15	2	8	3	15	1	3	..	5	2	13	3	9	2	2	2		
IV.	16	6	37	7	8	2	14	3	24	3	32	3	7	..	18	5	8	2	18	2	8	8	24	7	5	1	10	5	8	1	11	3	3	3		
Year.	53	20	85	18	26	5	37	7	61	7	52	11	72	17	75	9	31	11	26	9	45	11	50	11	25	5	48	8	14	2	20	9	21	6	26	6

* One death occurred in the Storthes Hall Asylum, and the other was a person who had been notified in the last quarter of the year 1913.

DIPHTHERIA.

The number of cases from this disease during 1914, was 86. This is an increase upon last year, but is slightly below the average for the ten years, 1904–1913, when it was 87.

The figures for the three preceding years are :—62 for 1913, 106 for 1912, and 134 for 1911.

Of the total notified cases, 82, equivalent to 95.3 per cent., were treated in Hospital with a case mortality of 2.4. The remaining 4.65 per cent. of the cases notified, namely 4, were treated at home and resulted in a case mortality of 25.0.

Four deaths occurred during the year from this disease, of which two took place in the Sanatorium, one in a home-treated case, and the other was a resident of the Borough who died outside the district. The death rate, 0.04 per 1,000 inhabitants, was the lowest since the year 1900, and compares with 0.05, the rate for 1913. The mean rate for the ten years ended 1913, is 0.12 per 1,000.

SUMMER DIARRHŒA.

The number of cases notified in pursuance of the Huddersfield Improvement Act, 1880, Section 65, was 132. Fifty-three notifications referred to infants under one year of age, and the remaining 79 to infants between the age of one and five years.

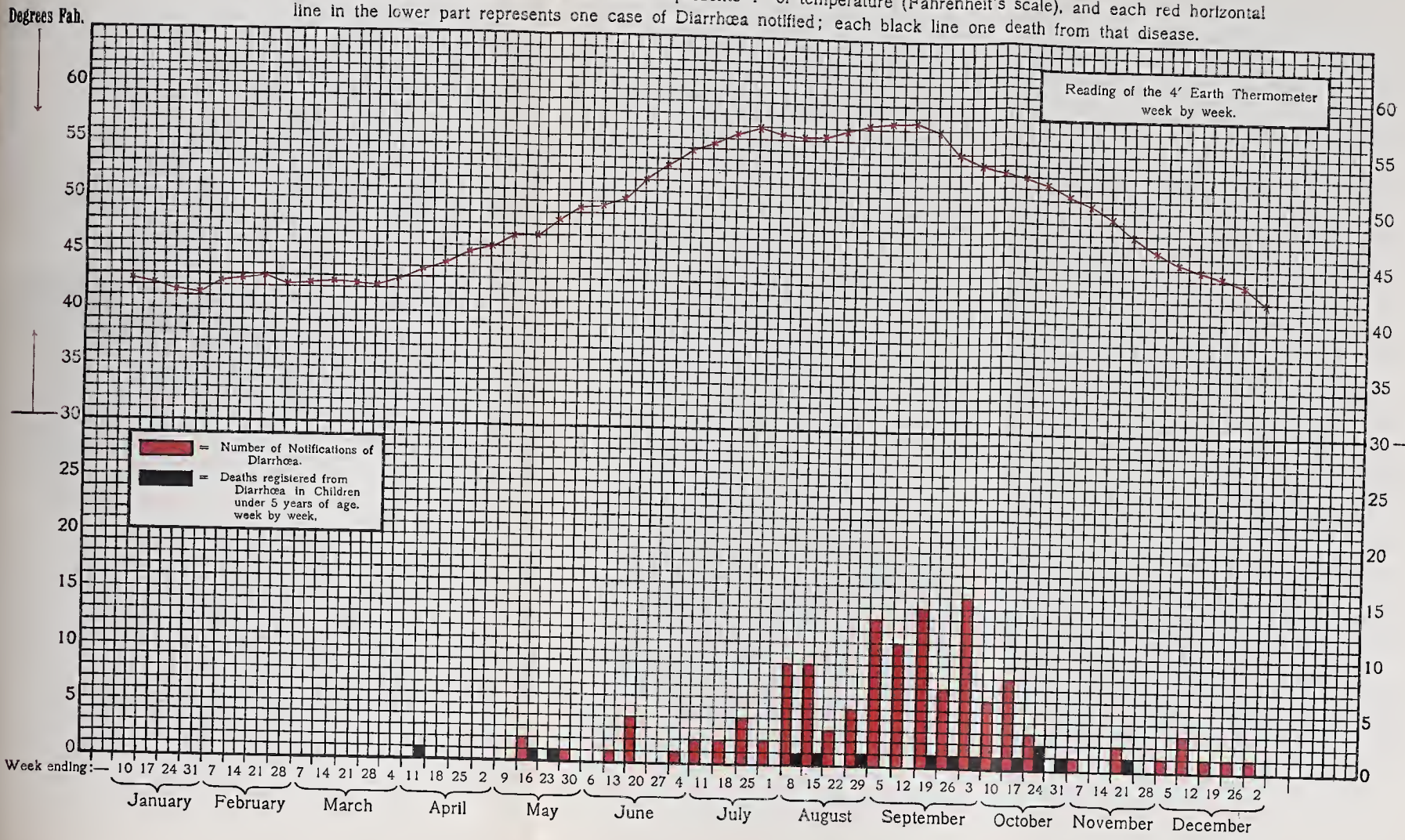
The procedure adopted on the receipt of each notification was as follows :—

A sanitary inspection of the dwelling and its surroundings was made immediately. All accumulations of refuse in the vicinity of the house were cleared away forthwith, the receptacles for refuse, backyards, walls, and so forth, were disinfected by spraying with an efficient chemical germicide, and the drains were immediately flushed.

Isolation and treatment during the year of 9 of the worst cases was found to be possible in the Sanatorium. Four of these died,

DIAGRAM No. 8.

Each horizontal line in the upper part of the Chart represents 1° of temperature (Fahrenheit's scale), and each red horizontal line in the lower part represents one case of Diarrhoea notified; each black line one death from that disease.



The following statement shows the number of cases notified year by year, since July 1st, 1908, the date on which the disease became notifiable within the Borough.

Year.			Cases.		Deaths.	Case Mortality per cent.
1908 since July 1st)	..		349	..	48	13.8
1909	..	..	156	..	24	15.4
1910	..	..	206	..	28	13.6
1911	..	..	769	..	94	12.2
1912	..	..	70	..	10	14.3
1913	..	..	266	..	35	13.2
1914	..	..	132	..	15	11.4

The accompanying chart shows the relation between the number of notifications received, the deaths and the reading of the 4ft. earth thermometer, week by week, throughout the year.

ILLEGITIMATE BIRTHS AND DEATHS AMONG ILLEGITIMATE CHILDREN.

From Table D. (post) it may be seen that 3.8 per cent. of the total births were of illegitimate children. The number of deaths among the latter amounted to 10.6 per cent. of the total deaths among infants less than a year old.

**SUMMARY OF CASES OF TUBERCULOSIS THAT HAVE PASSED THROUGH THE SANATORIUM
SINCE JANUARY, 1909.**

Number admitted.	Number discharged, including re-discharges.	Number died in Hospital.	Number died after discharge from Hospital.	Number still in Hospital (January, 1915).	Number Working.	Not Working.	Left District or cannot be traced.
248*	215	11	60	22	111‡	38	15

* Includes 12 re-admissions.

‡ Includes 9 men who have enlisted.

HISTORIES OF CASES OF TUBERCULOSIS

admitted to the Sanatorium during 1909, 10, 11, 12, 13, 14.

1909							AS AT END OF YEAR NAMED.						
No.	Patient.	Occupation on Admission.	Date of Admission.	Weight on Admission.	Date of Discharge.	Weight on Discharge.	Condition on Discharge.	1909	1910	1911	1912	1913	1914
1	J. W. H.	Weaver	5th Oct., 1909	Not stated	1st Jan., 1910	8 st. 5 1/2 lbs.	Improved						
2	J. S.	Headier	14th Oct., 1909	do.	28th Oct., 1909	Not stated	Unimproved		Died 28th May.				
3	L. W.	Weaver	5th Oct., 1909	do.	29th Nov., 1909	7 st. 13 1/2 lbs.	Improved	Died 20th December					
4	T. H.	Teamer	11th Oct., 1909	8 st. 1 lb.	2nd May, 1910	7 st. 7 1/2 lbs.	Unimproved		Died 3rd June.				
5	T. C.	Iron Planer	12th Oct., 1909	Not stated	14th Dec., 1909	Not stated	Not stated						Removed, not traced.
6	(Re-admitted)	Pipe Maker	25th Oct., 1909	Not stated	2nd May, 1910	10 st. 12 lbs.	Disease arrested.						
7	R. W. F.	Root Maker	26th Oct., 1909	Not stated	20th Dec., 1909	Not stated	Not stated		Died 22nd May.				Good Health, Tram Conductor
8	E. H. B.	Root Maker	26th Oct., 1909	8 st. 3 1/2 lbs.	8th Mar., 1910	8 st. 7 1/2 lbs.	Improved very much						
1910													
8	J. W.	Labourer	12th Jan., 1910	Not stated	13th Jan., 1910	Not stated	Left following day						Good health, Mill Hand.
9	A. R.	Mill Hand	26th Jan., 1910	8 st. 4 1/2 lbs.	20th July, 1910	10 st. 5 1/2 lbs.	Much better		Died 11th March.				
10	T. S.	Labourer	14th Feb., 1910	8 st. 5 lbs.	2nd May, 1910	9 st. 10 lbs.	Improved cough						
11	(Re-admitted)	Do.	7th June, 1910	8 st. 11 1/2 lbs.	30th Sept., 1910	9 st. 9 1/2 lbs.	Sputum, T.B. present				Died 6th October.		Unable to trace.
12	O. S.	Clerk	23rd May, 1910	10 st. 7 1/2 lbs.	6th June, 1911	8 st. 5 1/2 lbs.	Improved						
13	A. F.	Twister	30th May, 1910	6 st. 7 1/2 lbs.	11th Aug., 1911	11 st. 11 1/2 lbs.	Arrested				Died 16th September		Good Health, Motor Driver.
14	W. S.	Tenter	13th June, 1910	9 st. 9 1/2 lbs.	12th Mar., 1911	11 st. 6 1/2 lbs.	Unimproved						Good Health, Soldier.
15	R. A.	Ostler	17th June, 1910	8 st. 13 1/2 lbs.	26th Sept., 1910	11 st. 2 1/2 lbs.	Improved very much						Good Health, Sailor.
16	J. H. D.	Boy	1st July, 1910	7 st. 4 1/2 lbs.	16th Feb., 1911	8 st. 3 1/2 lbs.	Improved						Good Health, Finisher.
17	E. R.	Tailor & Blower	31st Oct., 1910	11 st. 11 1/2 lbs.	31st Oct., 1910	11 st. 9 1/2 lbs.	No cough, no spit						Not Working.
18	J. S.	Rug Weaver	9th Sept., 1910	9 st. 2 1/2 lbs.	9th Jan., 1911	10 st. 6 1/2 lbs.	Improved						
19	R. M.	Gardener	10th Sept., 1910	8 st. 8 lbs.	3rd Nov., 1910	8 st. 10 1/2 lbs.	Unimproved		Died 3rd November.	Died 9th August.			
20	H. S.	Weaver	21st Oct., 1910	9 st. 5 1/2 lbs.	20th Mar., 1911	10 st. 5 1/2 lbs.	Improved						Died 19th July.
21	T. M.	Labourer	11th Nov., 1910	9 st. 2 1/2 lbs.	4th Feb., 1911	10 st. 11 lbs.	Improved						
22	(Re-admitted)	Do.	17th Mar., 1911	9 st. 3 1/2 lbs.	16th Sept., 1911	9 st. 9 1/2 lbs.	Improved						
23	J. W. B.	Boiler Maker	22nd Nov., 1910	12 st. 4 1/2 lbs.	13th April, 1911	14 st. 2 1/2 lbs.	Improved					Died 5th March.	
24	T. B.	Book-keeper	28th Dec., 1910	8 st. 10 1/2 lbs.	3rd July, 1911	9 st. 8 1/2 lbs.	Improved				Died 18th December.		
1911													
23	T. F.	Hawker	4th Feb., 1911	9 st. 1 lb.	16th Sept., 1911	10 st. 2 1/2 lbs.	Improved						Gardener.
24	F. O.	Grocer's Assistant	20th Feb., 1911	7 st. 12 1/2 lbs.	20th May, 1911	9 st. 3 lbs.	Improved						Good Health, Packer at Hensley House.
25	W. M.	Labourer	20th Feb., 1911	9 st. 10 1/2 lbs.	8th Mar., 1911	9 st. 9 1/2 lbs.	Unimproved			Died 5th April.			
26	S. L.	Cloth Presser	17th Mar., 1911	7 st. 7 1/2 lbs.	16th Sept., 1911	8 st. 8 1/2 lbs.	Improved					Died 7th March.	
27	J. K.	Labourer	1st April, 1911	8 st. 2 1/2 lbs.	27th June, 1911	10 st. 4 1/2 lbs.	Improved					Died 14th April.	
28	J. H.	Blacksmith	22nd May, 1911	8 st. 9 1/2 lbs.	3rd Aug., 1911	8 st. 5 1/2 lbs.	Not improved			Died 14th December.			
29	M. J.	Weaver	14th May, 1911	9 st. 13 1/2 lbs.	19th Jan., 1912	10 st. 6 lbs.	Improved					Died 17th October.	
30	A. H.	Weaver	30th June, 1911	8 st. 5 1/2 lbs.	22nd Sept., 1911	9 st. 5 1/2 lbs.	Improved					Died 16th February.	
31	E. S.	Wire Cleaner	5th July, 1911	8 st. 5 1/2 lbs.	22nd Sept., 1911	8 st. 12 lbs.	Improved					Died 26th January.	
32	P. S.	Machine Joiner	8th July, 1911	8 st. 9 1/2 lbs.	22nd May, 1912	10 st. 11 1/2 lbs.	Improved						Good Health, Chauffeur.
33	F. B.	Labourer	10th Aug., 1911	7 st. 4 1/2 lbs.	28th Oct., 1911	8 st. 3 1/2 lbs.	Improved					Died from Cancer, 10th May.	
34	N. S.	Travelling Draper	18th Sept., 1911	10 st. 9 lbs.	8th Feb., 1912	11 st. 9 lbs.	Improved						Left District.
35	E. B.	Tram Conductor	30th Oct., 1911	9 st. 13 lbs.	27th Jan., 1912	9 st. 7 lbs.	Improved					Died 25th May.	Good Health, Shopkeeper.
36	D. K.	Plate Moulder	6th Nov., 1911	8 st. 7 lbs.	23rd May, 1912	Dying could not be weighed	Very ill						
37	A. M.	Colour Tester	22nd Nov., 1911	9 st. 11 lbs.	15th June, 1912	Very ill could not be weighed	Very ill					Died 3th August.	
38	W. G.	Organ Builder	8th Dec., 1911	7 st. 7 lbs.	17th May, 1912	7 st. 13 1/2 lbs.	Improved						Died 28th August.
1912													
39	L. D.	Dyer's Labourer	5th Jan., 1912	8 st. 2 1/2 lbs.	25th April, 1912	6 st. 12 1/2 lbs.	Worse					Died 1st June.	
40	T. K.	Do.	25th Jan., 1912	Impossible to weigh	25th April, 1912	8 st. 4 1/2 lbs.	Worse					Died April.	
41	R. M.	Hawker	20th Jan., 1912	9 st. 8 1/2 lbs.	25th April, 1912	8 st. 4 1/2 lbs.	Disease apparently arrested					Died 19th May.	Working, Gardener.
42	T. F.	(Re-admission)	22nd Feb., 1912	10 st. 0 1/2 lbs.	27th Mar., 1912	9 st. 8 1/2 lbs.	Disease apparently arrested					Gardener—still working	
43	T. S.	Mill Hand	22nd Feb., 1912	10 st. 0 1/2 lbs.	7th May, 1912	10 st. 12 1/2 lbs.	Disease apparently arrested					Gets about takes walks	Working (Tram Sheds).
44	P. K.	Cotton Gasser	10th April, 1912	9 st. 3 lbs.	12th June, 1912	10 st. 3 lbs.	Disease arrested					Working, keeps well	
45	J. P. B.	Mill Hand	30th April, 1912	9 st. 3 lbs.	19th Nov., 1912	10 st.	Improved general condition					Not fit for work	
46	A. E. J.	Cobbler	30th April, 1912	7 st. 5 1/2 lbs.	13th June, 1912	9 st. 0 1/2 lbs.	Improved general condition					Left own request	
47	J. W. W.	Weaver	10th May, 1912	8 st. 3 1/2 lbs.	2nd Sept., 1912	9 st. 0 1/2 lbs.	Improved general condition					Working	Died 5th March.
48	H. H.	Carriage Builder	20th May, 1912	8 st. 7 lbs.	21st Aug., 1912	8 st. 3 1/2 lbs.	Disease apparently arrested					Died August 16th.	
49	S. T.	Scurer	24th May, 1912	8 st. 6 lbs.	30th Sept., 1912	9 st. 9 1/2 lbs.	Improved general condition					Working	Improvement not maintained
50	F. V.	Coalminer	25th May, 1912	8 st. 4 1/2 lbs.	3rd Dec., 1912	9 st. 7 lbs.	Disease not arrested					Not fit for work	Died May 2nd.
51	B. E.	Asst. Designer	18th June, 1912	8 st. 9 1/2 lbs.	26th Aug., 1912	10 st. 1 1/2 lbs.	Disease apparently arrested					Working	Died January, 22nd.
52	D. S.	Labourer	18th June, 1912	8 st. 13 1/2 lbs.	30th Sept., 1912	10 st. 1 1/2 lbs.	Disease apparently arrested					Working	Not Working.
53	B. S.	Quarryman	20th June, 1912	10 st.	11th Sept., 1912	11 st. 11 lbs.	Disease not arrested					Does a little housework	At Work, Vunman.
54	F. G.	Tailor's Cutter	25th June, 1912	7 st. 9 1/2 lbs.	6th Sept., 1912	8 st. 2 lbs.	Disease not arrested					Following his occupation	Died January 12th.
55	F. L.	Mill Hand	23rd July, 1912	10 st. 1 1/2 lbs.	23rd Sept., 1912	11 st. 0 1/2 lbs.	Disease apparently arrested					Not able to work	Died June 7th.
56	F. N.	Mill Worker	21st Aug., 1912	7 st. 11 1/2 lbs.	2nd Dec., 1912	9 st. 5 1/2 lbs.	Disease arrested					Working	Working, Milkman.
57	J. G.	Goods Porter	27th Aug., 1912	9 st. 11 1/2 lbs.	27th Jan., 1913	10 st. 0 1/2 lbs.	Disease arrested					Working	Died 23rd January.
58	H. A.	Painter	3rd Sept., 1912	7 st. 6 lbs.	6th Oct., 1912	Unable to be weighed	Worse					Died 13th October.	
59	R. E.	Tailor	12th Sept., 1912	11 st. 3 1/2 lbs.	24th Dec., 1912	12 st. 2 1/2 lbs.	Improved					Attends Clinic, not at work	Died December 11th.
60	M. H.	Labourer	17th Sept., 1912	7 st. 13 1/2 lbs.	18th Nov., 1912	9 st. 0 1/2 lbs.	Disease apparently arrested					Working	Working, Tram Conductor.
61	(Re-admitted)	Stone Mason	9th Nov., 1912	8 st. 8 1/2 lbs.	27th Jan., 1913	9 st. 4 lbs.	Disease apparently arrested					Working as Tram Conductor	Still in Hospital.
62	W. A. W.	Mill Hand	9th Oct., 1912	8 st. 11 lbs.	20th Nov., 1912	7 st. 2 1/2 lbs.	Died in Hospital					Working	Working, Tram Conductor.
63	S. C.	Mill Hand	12th Oct., 1912	6 st. 10 1/2 lbs.	13th Jan., 1913	8 st. 6 1/2 lbs.	Improving					Died January 10th.	Left the District.
64	S. T.	Warehouseman	15th Oct., 1912	7 st. 7 1/2 lbs.	13th Jan., 1913	8 st. 6 1/2 lbs.	Disease apparently arrested					Working	Died 6th July.
65	B. W.	Weaver	9th Nov., 1912	8 st. 11 lbs.	20th Nov., 1912	8 st. 7 lbs.	Improving					In Sanatorium at Doncaster.	Working, Weaving.
66	(Re-admitted)	Do.	21st May, 1913	9 st. 9 1/2 lbs.	28th Jan., 1914	10 st. 3 1/2 lbs.	Not improved					Died 20th November.	
67	T. M.	Lauplighter	20th Nov., 1912	8 st. 12 1/2 lbs.	14th April, 1913	9 st. 4 1/2 lbs.	Disease not arrested					Working	Working, Weaving.
68	(Re-admitted)	Do.	16th July, 1913	8 st. 7 1/2 lbs.	27th Dec., 1913	8 st. 11 lbs.	Disease arrested					Died 20th November.	
69	C. G.	Mill Hand	20th Nov., 1912	10 st. 13 1/2 lbs.	28th Feb., 1913	11 st. 3 lbs.	Disease arrested					Working	Working, Weaving.
70	A. N.	Cotton Piecer	2nd Dec., 1912	0 st. 10 lbs.	27th May, 1913	7 st. 9 1/2 lbs.	Very much improved					Working	Working, Weaving.
71													

HISTORIES OF CASES OF TUBERCULOSIS.—continued.

1913—continued

AS AT END OF YEAR NAMED.

No.	Patient.	Occupation on Admission.	Date of Admission.	Weight on Admission.	Date of Discharge.	Weight on Discharge.	Condition on Discharge.	1909	1910	1911	1912	1913	1914
101	G. E.	Overlooker	13th June, 1913	8 st. 13 lbs.	12th Aug., 1913	9 st. 13½ lbs.	Disease apparently arrested					Working	Enlisted.
102	F. H.	Tailor's Cutter	13th June, 1913	8 st. 10½ lbs.	1st Oct., 1913	8 st. 7½ lbs.	Disease apparently arrested					Working, attends Clinic	Working, attends Clinic.
103	B. T.	Weaver	13th June, 1913	9 st. 10½ lbs.	18th Oct., 1913	10 st. 4½ lbs.	Disease stationary					Still in Hospital	Not working.
104	Mrs. K. T.	Charwoman	13th June, 1913	6 st. 1 lb.	6th June, 1914	6 st. 7½ lbs.	Not improved					Still in Hospital	Died 11th Nov.
105	H. S.	Iron Dresser	16th June, 1913	9 st. 6 lbs.	16th Sept., 1913	11 st. 2 lbs.	Improved					Working, attends Clinic	Died 3rd Sept.
106	(Re-admitted) J. J.	Chemical Worker	23rd June, 1913	8 st. 8 lbs.	3rd Aug., 1914	8 st. 12½ lbs.	Against Medical advice					Working	Working, Chemical Worker.
107	W. E.	Labourer	17th June, 1913	9 st. 6 lbs.	13th Mar., 1914	9 st. 7½ lbs.	Disease apparently arrested					Still in Hospital	Not fit for work.
108	J. F.	Goods Checker	17th June, 1913	8 st. 10½ lbs.		Unable to be weighed						Died in Hospital, Aug. 21st.	
109	G. H.	Stone Grinder	17th June, 1913	8 st. 9½ lbs.	27th Sept., 1914	8 st. 11 lbs.	Disease apparently arrested					Still in Hospital	Working, Stone Grinder.
110	P. C.	Labourer	18th June, 1913	9 st. 11½ lbs.	12th July, 1913	10 st. 5½ lbs.	Left without permission					Unimproved	Working, Labourer.
111	B. P.	Bottler in Brewery	23rd June, 1913	9 st. 5 lbs.								Died in Hospital Aug. 26th.	
112	W. G.	Overlooker	26th June, 1913	8 st. 10½ lbs.	15th Sept., 1913	9 st. 11½ lbs.	Disease apparently arrested					Working	Working, Tram Conductor
113	L. J.	Box Mender	26th June, 1913	6 st. 13½ lbs.	1st Oct., 1913	8 st. 3½ lbs.	Disease apparently arrested					Working	Working, Box Mender.
114	T. F.	Mill Hand	7th July, 1913	9 st. 10 lbs.	27th Jan., 1914	10 st. 11 lbs.	Improved					Still in Hospital	Not fit for work.
115	J. T.	Iron Turner	7th July, 1913	8 st. 4½ lbs.	11th Nov., 1913	9 st. 12½ lbs.	Disease apparently arrested					Working	Died 12th May.
116	R. G.	Station Porter	11th July, 1913	8 st. 13½ lbs.	30th Aug., 1913	9 st. 7½ lbs.	Improved					Working	Working, Station Porter
117	J. L.	Labourer	18th July, 1913	9 st. 1½ lbs.	15th Oct., 1913	10 st. 8½ lbs.	Disease apparently arrested					Working	
118	(Re-admitted) S. J.	Tailor	3rd April, 1914	9 st. 12½ lbs.	3rd Aug., 1913	5 st. 2½ lbs.	Not improved					Not able to work	Still in Hospital.
119	W. S.	Mechanic's Labourer	22nd July, 1913	7 st. 12 lbs.	11th Oct., 1913	9 st. 2½ lbs.	Disease apparently arrested					Working	Working, Mechanic's Labourer.
120	H. C.	Belt Maker	4th Aug., 1913	9 st. 9½ lbs.	24th Oct., 1913	10 st. 4½ lbs.	Disease apparently arrested					Working	Working, Belt Maker.
121	N. D.	Mill Hand	13th Aug., 1913	7 st. 8 lbs.	28th Nov., 1913	8 st. 3½ lbs.	Disease apparently arrested					Not fit for work	Not fit for work.
122	G. R.	Labourer	15th Aug., 1913	9 st. 9 lbs.	13th Mar., 1914	10 st. 3 lbs.						Still in Hospital	Not working.
123	A. J.	Servant	15th Aug., 1913	7 st. 4½ lbs.	27th Aug., 1913	No record	Left at own request					Not working, attends Clinic	Working, attends Clinic.
124	A. C.	Tailor	18th Aug., 1913	6 st. 5½ lbs.	11th Nov., 1913	7 st. 7½ lbs.	Improved					Working part-time, attends Clinic	Died 28th April.
125	J. M.	Tanner	23rd Aug., 1913	9 st. 2 lbs.	25th April, 1914	9 st. 11 lbs.	Improved					Still in Hospital	Not working.
126	Mrs. N. T.	Twister	26th Aug., 1913	6 st. 12 lbs.	7th April, 1914	7 st. 10½ lbs.	Disease apparently arrested					Still in Hospital	Housewife.
127	R. C.	Cotton Piecer	28th Aug., 1913	8 st. 5½ lbs.	4th Mar., 1914	9 st. 7½ lbs.	Improved					Still in Hospital	Working, Wholesale Market.
128	M. A.	Mill Hand	29th Aug., 1913	7 st. 10½ lbs.	26th Jan., 1914	9 st. 4½ lbs.	Improved					Still in Hospital	Not working.
129	A. M.	Housewife	3rd Sept., 1913	7 st. 13½ lbs.	26th Jan., 1914	9 st. 10½ lbs.	Improved					Still in Hospital	Working, Housewife.
130	M. C.	Woolen Felter	3rd Sept., 1913	8 st. 3½ lbs.	6th Nov., 1913	Unable to be weighed	Worse					Receiving home treatment	Died December 15th.
131	F. A.	Mill Hand	3rd Sept., 1913	9 st. 6 lbs.	18th Jan., 1914	9 st. 11½ lbs.	Improved.					Still in Hospital	Left District.
132	F. H.	Core-maker	4th Sept., 1913	8 st. 0½ lbs.	18th July, 1914	8 st. 6½ lbs.	Left against advice					Still in Hospital	Not fit for work.
133	B. B.	Mill Hand	8th Sept., 1913	6 st. 6½ lbs.	9th Sept., 1913	Unchanged	At own request, condition unaltered					Not working	Not working.
134	A. S.	Maclinist	8th Sept., 1913	5 st. 7½ lbs.	26th Oct., 1913	5 st. 4½ lbs.	Worse					Died Oct. 30th.	
135	A. K.	Mill Hand	10th Sept., 1913	8 st. 4½ lbs.	12th Dec., 1913	10 st. 9½ lbs.	Disease apparently arrested					Working	Left District.
136	J. V.	Plate-layer	25th Sept., 1913	10 st. 0½ lbs.	24th Oct., 1913	10 st. 10½ lbs.	Disease apparently arrested					Working	Working, Plate Layer.
137	M. M.	Tailor	25th Sept., 1913	6 st. 8½ lbs.	22nd May, 1914	7 st. 9 lbs.	Left at own request					Still in Hospital	Working, Tailor.
138	L. H.	Mender	8th Oct., 1913	8 st. 7½ lbs.	10th Jan., 1914	9 st. 7½ lbs.	Left against advice					Still in Hospital	Not working.
139	F. N.	Tailor	26th Oct., 1913	6 st. 2½ lbs.	2nd May, 1914	8 st. 13 lbs.	Left at own request					Still in Hospital	Working, Tailor.
140	A. L.	Weaver	23rd Oct., 1913	8 st. 10 lbs.	2nd May, 1914	11 st. 8½ lbs.	Improved					Still in Hospital	Working, Weaver.
141	G. R.	Mechanic	24th Oct., 1913	10 st. 6½ lbs.	27th May, 1914	11 st. 9½ lbs.	Left without permission					Still in Hospital	Working, Mechanic.
142	F. B.	Rug tipper	24th Oct., 1913	8 st. 11½ lbs.	18th July, 1914	9 st. 4 lbs.	Left at own request					Still in Hospital	Died Oct. 20th.
143	A. A.	Mill Hand	1st Nov., 1913	7 st. 10 lbs.	25th Feb., 1914	8 st. 3½ lbs.	Improved					Still in Hospital	Not working.
144	H. F.	Draper's Assistant	3rd Nov., 1913	8 st. 7½ lbs.	15th July, 1914	9 st. 5½ lbs.	Improved					Still in Hospital	Working irregularly, Post Office.
145	B. S.	Draper's Assistant	3rd Nov., 1913	8 st. 3 lbs.	16th Feb., 1914	8 st. 10 lbs.	Improved					Still in Hospital	Working, Draper's Assistant.
146	J. M.	Scourer	11th Nov., 1913	8 st. 9½ lbs.	18th Feb., 1914	10 st. 12 lbs.	Improved					Still in Hospital	Working, Motor Driver.
147	A. L.	Scourer	15th Nov., 1913	8 st. 11½ lbs.	25th Nov., 1913	9 st. 9½ lbs.	Improved					Still in Hospital	Left District.
148	Mrs. P. B.	Housewife	15th Nov., 1913	7 st. 8½ lbs.	22nd Feb., 1914	8 st. 5½ lbs.	Improved					Still in Hospital	Not working.
149	F. A.	Wire Dresser	1st Dec., 1913	8 st. 11 lbs.								Still in Hospital	Died March 29th.
150	M. B.	Rug Backer	2nd Dec., 1913	6 st. 12 lbs.	25th Feb., 1914	7 st. 11½ lbs.	Improved					Still in Hospital	Died Dec. 16th.
151	J. O.	Scourer	4th Dec., 1913	8 st. 10½ lbs.								Still in Hospital	Died March 3rd.
152	Mrs. C. A.	Maclinist	5th Dec., 1913	6 st. 0 lbs.	8th Dec., 1913	Unchanged	Left at own request against advice					Condition unchanged	Working, Housewife.
153	Mrs. M. A. H.	Housewife	12th Dec., 1913	7 st. 3½ lbs.	8th April, 1914	8 st. 10 lbs.	Improved					Still in Hospital	Working, Housewife.
154	J. M. C.	Cloth Finisher	17th Dec., 1913	7 st. 5 lbs.	12th June, 1914	8 st. 13½ lbs.	Improved					Still in Hospital	Working, Chemist's Assistant.
155	A. H.	Mechanic's Labourer	31st Dec., 1913	7 st. 4½ lbs.	27th April, 1914	8 st. 4½ lbs.	Improved					Still in Hospital	Not working.
1914													
156	G. R. K.	Tailor	3rd Jan., 1914	8 st. 5½ lbs.	14th July, 1914	9 st. 12 lbs.	Improved						Gone to Canada.
157	A. E. W.	Tram Conductor	3rd Jan., 1914	12 st. 13½ lbs.	3rd April, 1914	12 st. 13½ lbs.	Improved						Cured, Enlisted.
158	Mrs. S.	Housewife	14th Jan., 1914	7 st. 5½ lbs.	25th May, 1914	8 st. 3½ lbs.	Disease apparently arrested						Left District.
159	R. H.	Dyer's Labourer	19th Jan., 1914	10 st. 9½ lbs.	27th April, 1914	12 st. 10 lbs.	Left without permission						Enlisted.
160	M. J. B.	Mill Hand	28th Jan., 1914	7 st. 4½ lbs.	17th April, 1914	7 st. 8 lbs.	Left at own request						Died Nov. 20th.
161	E. B.	Draper's Assistant	28th Jan., 1914	7 st. 0 lbs.	17th June, 1914	7 st. 12½ lbs.	Left against advice						Not working, left District.
162	M. E.	Housewife	30th Jan., 1914	6 st. 11 lbs.	20th April, 1914	7 st. 5 lbs.							Housewife.
163	E. B.	Labourer	30th Jan., 1914	10 st. 7½ lbs.	27th April, 1914	11 st. 8½ lbs.	Left without permission						Working, left District, Labourer
164	W. M.	Burnan	30th Jan., 1914	8 st. 10 lbs.	4th May, 1914	10 st. 8½ lbs.	Refused to sleep in team						Died in Hospital Feb. 17th.
165	J. MacW.	Labourer	2nd Feb., 1914	9 st. 9½ lbs.									Not working.
166	E. M.	Storekeeper	19th Feb., 1914	10 st. 10½ lbs.	8th April, 1914	11 st. 7 lbs.	Improved						Cared, Storekeeper.
167	L. K.	Charwoman	23rd Feb., 1914	8 st. 2½ lbs.	18th July, 1914	8 st. 6½ lbs.	Improved						Housewife.
168	N. C.	School-boy	26th Feb., 1914	4 st. 13 lbs.	9th May, 1914	5 st. 8½ lbs.	Disease arrested						Attending School.
169	A. W.	School-boy	26th Feb., 1914	8 st. 13½ lbs.	8th April, 1914	9 st. 13½ lbs.	Disease arrested						Working, Errand Boy.
170	P. T.	School-girl	27th Feb., 1914	4 st. 12½ lbs.	9th May, 1914	5 st. 7½ lbs.	Improved						Not at school.
171	J. B.	School-boy	27th Feb., 1914	2 st. 5½ lbs.	6th June, 1914	2 st. 12½ lbs.	Disease apparently arrested						Attending School.
172	N. C.	School-girl	28th Feb., 1914	4 st. 5½ lbs.	9th May, 1914	4 st. 12½ lbs.	Improved						Attending School.
173	F. O.	Mill Hand	2nd Mar., 1914	7 st. 3½ lbs.									Still in Hospital.
174	J. O'S.	Rope Maker	3rd Mar., 1914	6 st. 8½ lbs.	10th June, 1914	8 st. 2½ lbs.	Improved						Left District.
175	E. K.	School-boy	4th Mar., 1914	4 st. 10½ lbs.	30th June, 1914	5 st. 12½ lbs.	Improved						Working, Errand Boy.
176	H. K.	Woolcomb Maker	7th Mar., 1914	7 st. 3½ lbs.	10th June, 1914	7 st. 13½ lbs.	Disease arrested						Working, Carrier.
177	M. S.	Jan. Packer	11th Mar., 1914	6 st. 13½ lbs.	15th June, 1914	7 st. 9½ lbs.	Improved						Not working.
178	M. L.	Laundress	11th Mar., 1914	6 st. 2½ lbs.	10th June, 1914	8 st.	Left against advice						Working, Laundress.
179	B. M. S.	Mender	12th Mar., 1914	7 st. 7½ lbs.	27th May, 1914	8 st. 4 lbs.	Improved						Cured, Mender.
180	G. F. O.	Foreman, Brickyard	18th Mar., 1914	10 st. 10½ lbs.	16th June, 1914	11 st. 7 lbs.	Disease apparently arrested						Working, Foreman, brickyard.
181	J. D.	Lodginghouse keeper	30th Mar., 1914	7 st. 11½ lbs.									Still in Hospital.
182	C. B.	Chemical Labourer	6th April, 1914	9 st. 0½ lbs.	28th July, 1914	10 st. 8½ lbs.	Disease apparently arrested						Not working.
183	J. B. L.	Brass Finisher	8th April, 1914	8 st. 4 lbs.									Still in Hospital.
184	F. F.	Mill Hand	15th April, 1914	6 st. 2½ lbs.	5th Sept., 1914	8 st. 9½ lbs.	Recovery						Working, Millhand.
185	L. K.	Teamster	15th April, 1914										Still in Hospital.
186	C. S.	School-boy	15th April, 1914	2 st. 10 lbs.	6th June, 1914	2 st. 13½ lbs.	Improved						Cured, School-boy.
187	J. W. M.	Fitter	21st April, 1914	8 st. 0½ lbs.	7th Oct., 1914	7 st. 0½ lbs.	Improved						Not working.
188	R. S.	Mill Hand	25th April, 1914	6 st. 9 lbs.	13th Oct., 1914	7 st. 0½ lbs.	Improved						Not working.
189	H. G.	Weaver	29th April, 1914	8 st. 9½ lbs.									Still in Hospital.
190	H. S.	Iron Dresser	29th April, 1914	6 st. 9 lbs.	3rd Aug., 1914	7 st. 0½ lbs.	Left at own request						Died September 5th.
191	J. C.	Concorder	29th April, 1914	8 st. 12½ lbs.	17th June, 1914	10 st. 1 lb.	Left at own request						Reservist, now at Grimsby.
192	K. M.	Mill Hand	2nd May, 1914	6 st. 4½ lbs.									Died in Hospital, 2nd June.
193	W. L.	Loader, Goods Station	4th May, 1914	8 st. 9½ lbs.	25th July, 1914	10 st. 0½ lbs.	Disease arrested						Enlisted.
194	A. T.	Tailor's Presser	4th May, 1914	8 st. 12 lbs.	26th July, 1914	10 st. 9½ lbs.	Recovery						Working, Tailor Presser.
195	J. C.	Chemical Labourer	8th May, 1914	8 st. 9 lbs.	7th July, 1914	10 st. 9½ lbs.	Left against advice						Enlisted.
196	(Re-admitted) A. S.	Packer	7th Sept., 1914	8 st. 9½ lbs.	12th Sept., 1914	9 st. 13½ lbs.	Improved						Still in Hospital.
197	A. W.	Twister	13th May, 1914	7 st. 2½ lbs.									Not working.
198	M. H.	Housewife	27th May, 1914	5 st. 12 lbs.	17th Dec., 1914	8 st. 0½ lbs.	Disease apparently arrested						Working as Housewife.
199	M. B.	Housewife	3rd June, 1914	9 st. 3 lbs.	7th Sept., 1914	10 st. 1½ lbs.	Improved						Housewife.
200	E. A.	Maclinist	8th June, 1914	7 st.	3rd Oct., 1914	8 st. 4½ lbs.	Recovery						Working, Nursemaid.
201	J. C.	School-girl	16th June, 1914	2 st. 6½ lbs.	30th June, 1914	2 st. 7½ lbs.	Not improved						Attending School.
202	A. C.	School-girl	16th June, 1914</										

The following statement shows the number of cases of Tuberculosis coming under the notice of the Department during the year, and the number admitted to the Phthisis Pavilions at the Sanatorium.

	Number of Notifications.		Admitted to Phthisis Pavilions.
Pulmonary Tuberculosis	183	..	83*
Other forms of ,,	88	..	—
	271		83

* Includes one re-admission.

Among the 109 deaths from all forms of Tuberculosis, it was found that in 37 families deaths from this disease had occurred previously namely :—

In 26 families 1 death had previously occurred.

In 7 families 2 deaths ,, ,,

In 4 families 3 ,, ,, ,,

In 72 families either the particulars were unascertainable, or no previous death from Tuberculosis had occurred.

In the first quarter of the year there were 29 deaths.

In the second ,, ,, ,, 30 ,,

In the third ,, ,, ,, 23 ,,

In the fourth ,, ,, ,, 27 ,,

The following tabular statement shews the number of deaths which occurred from Tuberculosis in houses containing 1, 2, 3, 4, 5, and over 5 rooms, and the number of deaths which occurred in the Workhouses and Asylums, the Royal Infirmary and the Phthisis Pavilions :—

2 deaths occurred in 1 roomed houses.

10 ,, ,, 2 ,,

26 ,, ,, 3 ,,

16 ,, ,, 4 ,,

18 ,, ,, 5 ,,

5 ,, ,, houses with over 5 rooms.

17 ,, ,, Workhouses and Asylums.

8 ,, ,, the Royal Infirmary.

6 ,, ,, Phthisis Pavilions, at the Sanatorium.

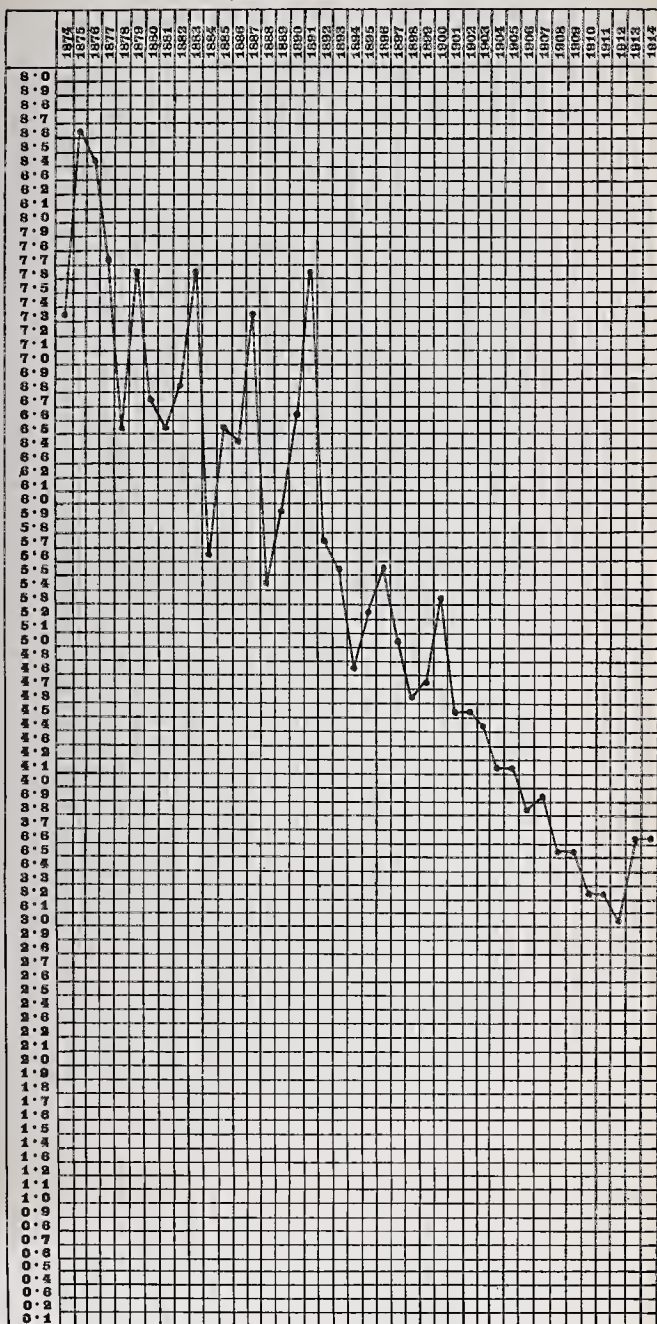
In one instance the occupier of the house refused to furnish information.

OCCUPATIONS OF PERSONS DYING FROM TUBERCULAR DISEASE.

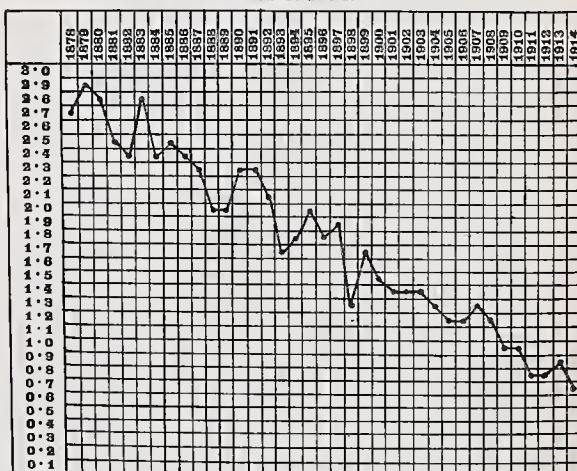
	Males.	Females.	Totals.
Millhands	10	8	18
Children at Home and School ..	10	3	13
Domestic occupations	—	11	11
Labourers	13	—	13
Bookbinders, Printers	—	2	2
Stone Quarrier, Stone Mason ..	2	—	2
Tailors, Tailoresses	3	2	5
Iron Moulders, Iron Turners ..	3	—	3
Teamers	3	—	3
Greengrocers, Grocers	3	—	3
Organ Builder	1	—	1
Glass and China Repairer	1	—	1
House Painter	1	—	1
Porter	1	—	1
Estate Agent	1	—	1
Clerks	2	1	3
Barman	1	—	1
Motor Rug Designer	1	—	1
Hearth Rug Workers	—	3	3
Plumber	1	—	1
Mechanic	1	—	1
Lamplighter	1	—	1
Gas Stoker	1	—	1
Warehousemen	2	—	2
Wire Drawer	1	—	1
Shoemaker	1	—	1
Storekeeper	1	—	1
Costumier	—	1	1
Woollen Waste Dealer	1	—	1
Gardener	1	—	1
Engine Packing Maker	1	—	1
Hawker	—	1	1
Earthenware Dealer	—	1	1
No occupation, and occupation not stated	5	3	8
	—	—	—
	73	36	109

DIAGRAM No. 9.

Death Rates from Consumption and Diseases of Respiratory
Organs combined—Huddersfield.



Death Rates due to Consumption only—
Huddersfield.



STATEMENT SHOWING NUMBER OF DEATHS AND
DEATH RATES SINCE 1902 FROM PHTHISIS AND
OTHER FORMS OF TUBERCULOSIS.

		Deaths from Phthisis.		Death Rate.	Deaths from other forms of Tuberculosis.		Death Rate.
1902	..	133	..	1.36	..	31	0.32
1903	..	136	..	1.40	..	40	0.41
1904	..	126	..	1.28	..	34	0.34
1905	..	120	..	1.20	..	46	0.46
1906	..	119	..	1.18	..	38	0.38
1907	..	136	..	1.33	..	40	0.39
1908	..	127	..	1.20	..	52	0.49
1909	..	102	..	0.97	..	43	0.41
1910	..	111	..	1.04	..	42	0.39
1911	..	92	..	0.85	..	40	0.37
1912	..	90	..	0.82	..	40	0.37
1913	..	100	..	0.89	..	41	0.36
1914	..	87	..	0.77	..	22	0.20

It will be observed that the number of deaths from tuberculous disease during 1914, in Huddersfield, is fewer by 21 than in any previous year. The largest number in any year, viz., 179, exceeds the present total by 70, though in the former year (1908) the population was less by 8,087 than at the present time.

TUBERCULOSIS.**SANATORIUM TREATMENT.**

The following report by the Junior Assistant Medical Officer of Health is of interest and importance.

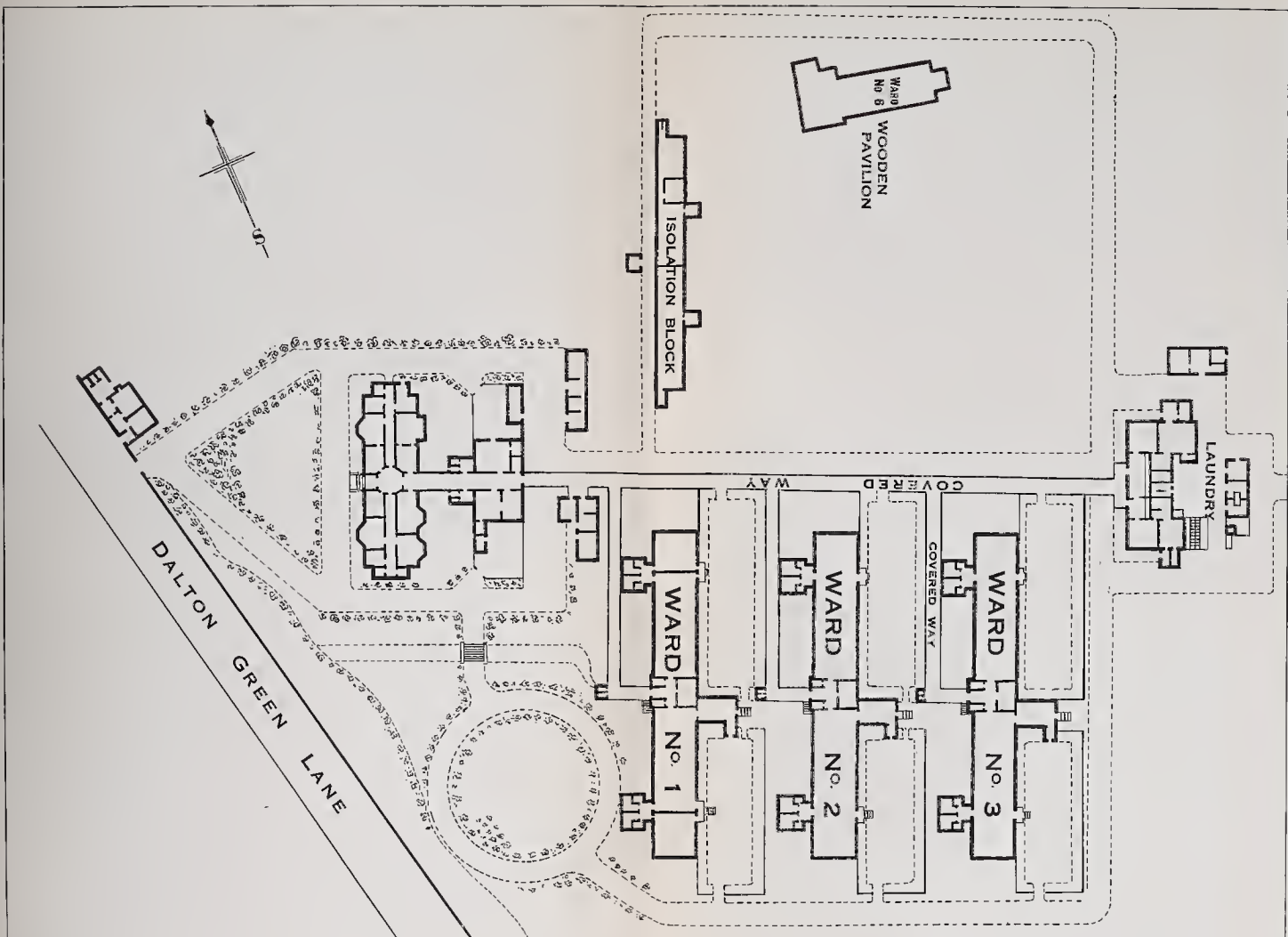
As a result of daily observation extending over years, I gained a general impression that the cases treated in Ward No. 6 at the Mill Hill Sanatorium did better than those treated in Ward No. 3. Accordingly, I desired Dr. Kate Gill, referred to above, to take out the figures and report.

The accompanying plan shows the orientation of the wards in question, their relationship to one another and to the other buildings on the site.

This latter is 18 acres in extent, it lies in an open situation over two miles from the centre of the town ; the buildings stand upon a small plateau, elevated some score of feet from the surrounding ground, over 200 feet above the sea, and lying in an open valley.

The two wards are so close together that they must be influenced alike by the general climatic conditions. They are under the same administration and the same general lines of treatment are followed in both, namely, open-air, abundant rich plain food, rest and exercise (on the lines of the auto-inoculation theory of Sir Marcus Patterson) continuous antiseptic inhalation, continuous current of warmed dried air (in selected cases), the minimum of medication and no tuberculin (I abandoned this last after what I considered to be an adequate trial. I failed to find any good results, and did observe occasional evil effects).

It remains to say only, that the figures are too small to be accepted as conclusive statistical evidence, but supporting, as they do, my own personal impression, they seem worth setting forth for what they may be worth.



REPORT on the relative results of Treatment of Tuberculous Patients in two Male Wards of Mill Hill Sanatorium, with facts, comments, and deductions.

An investigation into the results of treatment in the two Male Phthisis Wards at the Mill Hill Sanatorium reveals the fact that better results are obtained among the patients who are treated in Ward 6 than is the case in Ward 3.

The number of cases who were discharged as (a) Cured, or (b) Disease Arrested, or (c) Much Improved, in Ward 6 amounted to 65.2%, as compared with 61% amongst the cases in Ward 3, and the ultimate "working capacity" is even more striking, shewing a return of 55.1% from Ward 6, as against 27.7% from Ward 3, now known to be working in a greater or less degree.

No selection of cases was made in their distribution, mild and severe cases being admitted to either ward as vacancies arose.

An examination of the wards gave the following information :—

	Ward VI.	Ward III.
Orientation	N.N.E. & S.S.W.	E.S.E. & W.N.W.
Cubic feet per Patient ..	1319	2150
Floor area	101.9 sq. ft.	165. sq. ft.
Window area for sunshine and light	19.2 sq. ft.	28.26 sq. ft.
Window area for ventilation..	18.3 sq. ft.	13.18 sq. ft.

It is, therefore, evident that space, light, sunshine and ventilation *per se* and provided that a necessary minimum be exceeded, are not of necessity favourable factors in the treatment of the disease, since it is obvious that, if it were so, the patients of Ward III. would have practically all the advantage (see ventilation). A search is therefore made for other possibilities, and the following deductions are suggested.

(1) That the orientation of Ward VI., viz., N.N.E. and S.S.W., will allow of an increased length of sunshine time, with more powerful

and penetrating rays than that enjoyed by the orientation of Ward III., *i.e.*, E.S.E. by W.N.W.

(2) That the isolated position of Ward VI. is an advantage—Ward III. is bounded on either side by the laundry, another ward, and on one side by the covered way, which connects it with the other blocks of the Sanatorium.

(3) That the wooden structure of Ward VI. is more suited to the treatment of Phthisis cases than the stone structure of Ward III., wood being relatively non-heat conducting, and more pervious to light, air and sunshine.

(4) That during the summer months the patients are placed in their beds in the field by Ward VI. daily, this practise, being more difficult in Ward III., is less frequently effected.

(5) That the “Mental Attitude” of the patients of Ward VI., has often been commented upon by the Medical and Nursing Staff as being more cheerful, happy and contented.

There is no doubt that the “Mental Attitude” of the patient has a far-reaching effect in all cases of disease, and especially amongst Phthisical patients.

K. A. GILL, M.B. (Lond.)

Statistics to show relative results of treatment of Phthisis Patients in Ward III. and Ward VI., from May, 1913 to 31st December, 1914.

IN ACTUAL NUMBERS.

Ward.	Cured or Arrested.	Improved.	Disease Advancing.	Dead.	Left District.	Working.	Not Working.	Malingering.	Total.
Ward III.	15	18	8	10	2	15	26	1	54
	33								
Ward VI.	13	6	5	4	1	16	8	—	29
	19								

IN PERCENTAGES.

Ward III.	27.7	33.3	14.8	18.5	3.3	27.7	48.1	1.8	—
	61.								
Ward VI.	44.8	20.6	16.5	13.7	3.4	55.1	27.5	—	—
	65.2								

MEASLES AND GERMAN MEASLES.

Forty-nine deaths took place from this disease. One death occurred in the first quarter of the year, one in the second quarter, five in the third quarter, and forty-two in the fourth quarter. The death rate was 0.44, as against 0.22 the previous year, and 0.29 the mean for the ten years ending 1913.

WHOOPING COUGH.

This disease accounted for twenty-one deaths in children, nine being under one year of age, nine between one and two years of age, and the remaining three between 2 and 5 years of age. The rate was 0.19 per 1,000, as against 0.07 for 1913, 0.24 for 1912, and 0.18 the mean for the years 1904–1913.

INFLUENZA.

During the year 9 deaths occurred from influenza, being two less than the number last year, and one more than the number for 1912.

In the first quarter of the year 4 deaths occurred.

In the second quarter of the year 1 death occurred.

In the third quarter of the year 1 death occurred.

In the fourth quarter of the year 3 deaths occurred.

The ages at death were as follows :—Two between 15 and 25 years, two between 25 and 45 years, two between 45 and 65 years, and three over 65 years of age.

SEPTIC DISEASES.

The number of deaths from these causes was 7, compared with 13 for the previous year.

The following tabular statement shows how the various Septic Diseases contributed to the total year by year since 1909 :—

	1909	1910	1911	1912	1913	1914
Phagedœna	0	0	0	1	0	0
Erysipelas	1	5	2	0	2	3
Puerperal Fever ..	4	3	1	1	3	1
Pyæmia Septicæmia ..	8	7	6	7	4	3
Other Septic Diseases ..	4	1	1	4	4	0
	17	16	10	13	13	7

CEREBRO-SPINAL FEVER.

Two cases of this disease were notified during the year, one died. The particulars relative to each case are as follows :—

No. 1.—Female, age 36, died at home 24th February. The entry of decease occurred in the death returns prior to the receipt of the notification, consequently the essential measures of treatment and isolation in hospital could not be carried out.

No. 2.—Female, age 40, notified 25th February. The case was treated at home and recovery was complete with no muscular paralysis.

OPHTHALMIA NEONATORUM.

There were 24 notifications from this disease during the year, all of which were for children under one year of age. Twelve occurred in the Huddersfield Township (including the districts, Central, Marsh, Fartown, Deighton and Bradley), two in Dalton, seven in Almondbury, one in Lockwood, one in Lindley, and one in Longwood. Each was visited by a Medical Officer of the Department and appropriate measures were taken.

OTHER NOTIFIABLE DISEASES.

The Borough was free from Plague, Cholera, Typhus Fever and Relapsing Fever during 1914.

Table showing the number of cases of Infectious Diseases notified and deaths therefrom in the whole of the Borough during the period 1883-1914.

YEAR.	Estimated Population.	Small-pox Cases.	Deaths.	Scarlet Fever Cases.	Deaths.	Diphtheria Cases.	Deaths.	Typhus Fever Cases.	Deaths.	Enteric Fever Cases.	Deaths.
1883	84450	1	..	91	7	8	3	..	..	41	13
1884	86004	..	..	123	7	8	4	..	..	87	12
1885	87327	3	..	251	11	4	4	..	..	66	10
1886	88670	39	..	369	33	29	12	..	..	45	12
1887	90034	..	..	526	31	83	41	..	..	48	9
1888	91419	15	2	326	26	40	14	..	..	56	12
1889	92825	..	..	354	26	40	12	..	..	50	10
1890	94253	5	1	204	7	21	5	1	..	62	24
1891	95410	..	..	341	30	19	5	..	..	38	15
1892	95373	16	1	354	18	21	7	..	..	22	6
1893	95336	48	2	579	25	13	3	..	..	57	13
1894	95299	5	..	462	23	36	27	1	..	31	11
1895	95261	..	..	539	20	34	19	..	..	60	6
1896	95224	1	..	456	19	43	26	..	..	70	13
1897	95187	..	..	658	33	56	21	1	..	64	16
1898	95149	2	..	344	10	46	14	..	..	77	10
1899	95112	..	..	333	7	26	5	..	..	69	24
1900	95074	..	..	294	19	14	2	..	..	53	20
1901	95351	..	..	198	6	24	6	..	..	85	18
1902	96573	13	1	270	11	37	15	..	..	26	5
1903	97808	53	2	244	15	79	14	..	..	37	7
1904	99056	39	1	485	10	60	14	..	..	61	7
1905	100317	2	..	488	11	45	11	..	..	72	17
1906	101591	..	..	322	7	64	13	..	..	75	9
1907	102877	..	..	145	6	70	8	..	..	31	11
1908	104178	..	..	88	3	93	8	..	..	26	9
1909	105492	..	..	337	9	162	20	..	..	45	11
1910	106820	..	..	937	18	77	15	..	..	25	5
1911	108144	..	..	540	16	134	22	..	..	48	8
1912	109512	1	..	706	22	106	9	..	..	14	2
1913	110882	..	..	288	7	62	6	..	..	20	9
1914	112265	1	..	216	3	86	4	..	..	21	6

DIAGRAM NO. 10.

This Diagram gives in comparative form the Deaths from those diseases which have caused the greatest mortality during 1914.

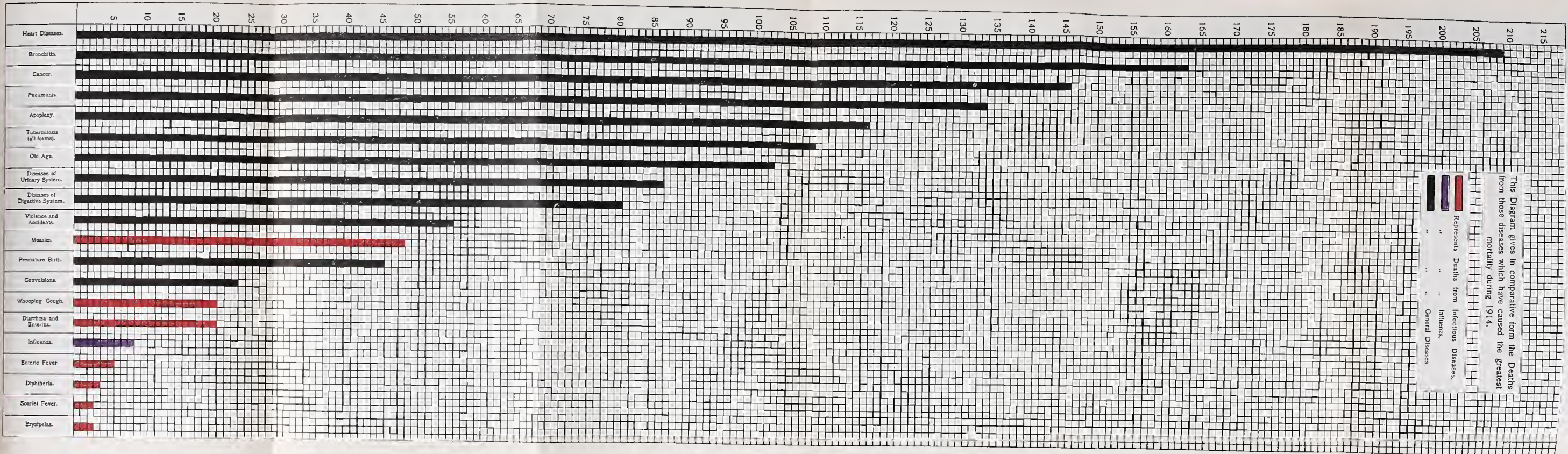


Table showing the number of cases of Diphtheria, Scarlet and Typhoid Fevers reported, treated at Home or in Hospital, with the respective case mortality during the years 1893-1914.

Year.	Disease.	Total.	Home Cases.	Sanatorium Cases.	Case Mortality per cent.	
					Home.	Sanatorium.
1893	Scarlet Fever	579	70	509	11.4	3.3
1894	"	462	65	397	10.8	4.0
1895	"	539	54	485	20.4	1.9
1896	"	456	50	406	14.0	2.7
1897	"	658	50	608	24.0	3.3
1898	"	344	30	314	13.3	1.9
1899	"	333	15	318	13.3	1.6
1900	"	294	26	268	11.5	5.6
1901	"	198	15	183	0	3.3
1902	"	270	20	250	5.0	4.0
1903	"	244	14	230	0	6.5
1904	"	485	28	457	3.6	1.9
1905	"	488	27	461	11.1	1.7
1906	"	322	35	287	0	2.4
1907	"	145	15	130	6.7	3.8
1908	"	88	12	76	0	3.9
1909	"	337	26	311	7.7	2.2
1910	"	937	30	907	10.0	1.6
1911	"	540	19	521	5.3	2.9
1912	"	706	22	684	13.6	2.8
1913	"	288	7	281	0	2.5
1914	"	216	14	202	7.1	1.5
1893	Typhoid Fever	57	47	10	21.3	10.0
1894	"	31	26	5	38.5	20.0
1895	"	60	49	11	10.2	9.1
1896	"	70	52	18	23.1	5.6
1897	"	64	40	24	25.0	25.0
1898	"	77	30	47	20.0	8.5
1899	"	69	21	48	52.4	22.9
1900	"	53	20	33	50.0	27.3
1901	"	85	23	62	30.4	17.7
1902	"	26	9	17	44.4	5.9
1903	"	37	9	28	22.2	17.9
1904	"	61	10	51	10.0	11.8
1905	"	72	16	56	50.0	16.1
1906	"	75	7	68	42.9	8.8
1907	"	31	13	18	38.5	33.3
1908	"	26	10	16	60.0	18.7
1909	"	45	7	38	42.9	21.1
1910	"	25	2	23	0	21.7
1911	"	48	8	40	50.0	10.0
1912	"	14	2	12	0	16.7
1913	"	20	4	16	25.0	43.8
1914	"	21	4	17	25.0	23.5
1900	Diphtheria	14	7	7	28.6	0
1901	"	24	17	7	23.5	28.6
1902	"	37	22	15	54.5	20.0
1903	"	79	13	66	53.8	10.6
1904	"	60	30	30	30.0	16.7
1905	"	45	41	4	26.8	0
1906	"	64	39	25	25.6	12.0
1907	"	70	17	53	17.6	9.4
1908	"	93	23	70	13.0	7.1
1909	"	162	31	131	19.4	10.7
1910	"	77	15	62	40.0	14.5
1911	"	134	25	109	48.0	9.2
1912	"	106	10	96	10.0	8.3
1913	"	62	7	55	28.6	10.9
1914	"	86	4	82	25.0	2.4

STREET LIST.

Arranged under the heading of each infectious disease.

Deaths which occurred in public institutions, or of residents occurring outside the Borough, are allocated to the districts in which the cases were formerly residents.

PLACE OF DEATH.	DISTRICT.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Enteric Fever.	Diarrhoea.
1. Albion Street	Hudd. Township ..	..	..	..	..	..	..	1
2. Armitage Road	" "	..	..	1	..	..	..	..
3. Back Union Street	" "	..	1	..	..	..	..	..
4. Bradford Road North	" "	..	..	..	..	1	..	..
5. Bradford Road North	" "	..	..	..	..	1	..	..
6. Bradford Road North	" "	..	1	..	..	..	..	..
7. Bradley Street South	" "	..	1	..	..	..	..	..
8. Castlegate, Old Post Office Yard ..	" "	..	1	..	..	..	..	..
9. Castlegate, Wilson's Yard	" "	..	1	..	..	..	..	..
10. Castlegate, Fisher's Yard	" "	..	1	..	..	..	..	..
11. Castlegate	" "	..	1	..	..	..	..	..
12. Chapel Hill, Varley's Yard	" "	..	..	..	..	..	..	1
13. Church Street, Paddock	" "	..	1	..	..	..	..	..
14. Church Street, Paddock	" "	..	..	..	1	..	..	..
15. Colne Road, Horsfall's Yard	" "	..	1	..	..	..	..	..
16. Deighton Road	" "	..	1	..	..	..	..	..
17. Deighton Road	" "	..	..	..	..	1	..	..
18. Dock Street, Pollitt's Yard	" "	..	1	..	..	..	..	..
19. Drake's Yard, Paddock	" "	..	1	..	..	..	..	..
20. Duke Street	" "	..	..	..	..	1	..	..
21. Edgerton, C—— Lodge	" "	..	..	..	..	1	..	..
22. Fountain Street	" "	..	1	..	..	..	..	..
23. Granby Row, Paddock	" "	..	..	..	..	..	..	1
24. Grove Street, Milner's Yard	" "	..	1	..	..	..	..	..
25. Gledholt Bank	" "	..	1	..	..	..	..	..
26. Great Northern St., Fair Ground ..	" "	..	1	..	..	..	..	..
27. Hill Top Road, Paddock	" "	..	1	..	..	..	..	..
28. Hill Top Road, Paddock	" "	..	1	..	..	..	..	..
29. Lea Street, Hillhouse	" "	..	..	..	1	..	..	..
30. Lowerhead Row, Lee & Burley's Yard	" "	..	1	..	..	..	..	..
31. Manchester Street	" "	..	1	..	..	..	..	..
32. Milford Street, Graham's Yard ..	" "	..	1	..	..	..	..	..
33. Northgate, Schoales' Square	" "	..	1	..	..	..	..	..
34. Northgate, Schoales' Square	" "	..	..	..	..	1	..	..
35. Northumberland Street	" "	..	1	..	..	..	..	..
36. Northumberland Street	" "	..	..	..	..	1	..	..
37. Prospect Street	" "	..	..	..	..	..	..	1
38. Proud Row	" "	..	1	..	..	..	..	..
39. Quay Street, Armitage Square ..	" "	..	..	..	..	..	..	1
40. Rose Street, Turnbridge	" "	..	..	..	..	1	..	..

STREET LIST.—Continued.

PLACE OF DEATH.				DISTRICT.		Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Enteric Fever.	Diarrhoea.
41.	Roydfield Street, Fartown	..	..	Hudd. Township	..	..	..	..	..	1	..	..
42.	Sheepridge, Dawson's Buildings	..	..	..	..	..	..	..	..	1	..	..
43.	Shires Hill, Paddock	..	..	..	..	..	1	..	..	..	..	..
44.	St. James' Road	..	..	..	..	..	..	..	..	..	1	..
45.	St. Paul's Street	..	..	..	..	..	1	..	..	..	..	..
46.	St, Paul's Street	..	..	..	..	..	..	..	..	..	..	1
47.	Thomas Street, Haigh's Yard	..	..	..	..	..	..	..	..	1	..	..
48.	Upper Brow Road, Paddock	..	..	..	..	..	1	..	..	..	..	..
49.	Watergate	..	..	..	..	..	1	..	..	..	..	..
50.	Water Lane, Jowitt's Court	..	..	..	..	..	1	..	..	..	..	..
51.	Sanatorium	..	..	..	..	..	..	1	..	..	..	..
52.	Sanatorium	..	..	..	..	..	..	..	..	..	1	..
53.	Sanatorium	..	..	..	..	..	..	..	..	..	1	..
54.	Sanatorium	..	..	..	..	..	..	..	..	..	..	1
55.	Sanatorium	..	..	..	..	..	..	..	..	..	..	1
56.	Shrewsbury	..	..	..	..	..	..	..	1	..	..	..
1.	Bankfield Road	..	..	Dalton Township	..	..	..	..	..	..	..	1
2.	Brook Street	..	..	..	..	..	1	..	..	..	..	..
3.	Dyson Street	..	..	..	..	..	1	..	..	..	..	..
4.	Rawthorpe Terrace	..	..	..	..	..	1	..	..	..	..	..
5.	Rawthorpe Terrace	..	..	..	..	..	1	..	..	..	..	..
6.	Storthes, Holroyd's Yard	..	..	..	..	..	1	..	..	..	..	..
7.	Storthes, Holroyd's Yard	..	..	..	..	..	1	..	..	..	..	..
8.	Wakefield Road	..	..	..	..	..	..	..	..	..	..	1
9.	Sanatorium	..	..	..	..	..	..	..	..	..	..	1
10.	Sanatorium	..	..	..	..	..	..	..	1	..	..	..
1.	Cross Lane, Primrose Hill	..	..	Almondbury	..	..	..	..	..	1	..	..
2.	Damside	..	..	..	..	..	..	..	..	1	..	..
3.	Long Croft	..	..	..	..	..	1	..	..	..	..	..
4.	Northgate	..	..	..	..	..	1	..	..	..	..	..
5.	Salford, Love's Yard	..	..	..	..	..	..	..	..	1	..	..
6.	Salford, Love's Yard	..	..	..	..	..	..	..	..	1	..	..
7.	St. Helen's Farm	..	..	..	..	..	..	..	..	1	..	..
8.	Waterside, Jepson's Yard	..	..	..	..	..	..	..	..	..	..	1
9.	Whitehead Lane	..	..	..	..	..	..	..	..	1	..	..
10.	Sanatorium	..	..	..	..	..	..	..	..	..	..	1
1.	Albert Street, Brunswick Yard	..	..	Lockwood	..	..	1	..	..	..	..	..
2.	Crosland Road	..	..	..	..	..	..	..	..	1	..	..
3.	Frederick Street	..	..	..	..	..	1	..	..	..	..	..
4.	Holly Road	..	..	..	..	..	1	..	..	..	..	..
5.	Howarth Lane	..	..	..	..	..	1	..	..	..	..	..

STREET LIST.—Continued.

PLACE OF DEATH.				DISTRICT.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Enteric Fever.	Diarrhoea.
6.	Howarth Lane	..	..	..	Lockwood Towns'p.	..	1	..	..	..	..
7.	Ivy Street	..	..	..	„	..	..	..	1	..	..
8.	Moor End	..	..	..	„	..	..	..	..	..	1
9.	Oldfield Square	..	..	..	„	1	..	..	..	..	..
10.	Rockcliffe	..	..	..	„	..	..	..	1	..	..
11.	St. Stephen's Terrace	..	..	..	„	1	..	..	..	..	..
12.	Victoria Street	..	..	..	„	..	..	..	..	..	1
13.	Sanatorium	..	..	..	„	..	..	..	..	1	..
14.	Workhouse	..	..	..	„	1	..	..	..	..	..
15.	Storthes Hall Asylum	..	..	..	„	..	..	..	..	1	..
1.	Quarmby Fold	..	..	..	Lindley	..	1	..	..	..	..
2.	West Street	..	..	..	„	1	..	..	..	..	..
3.	Sanatorium	..	..	..	„	..	..	..	..	1	..
4.	Sanatorium	..	..	..	„	..	1	..	..	..	..
1.	Armitage Road	..	..	..	Longwood	..	1	..	..	..	..
2.	Lowergate	..	..	..	„	1	..	..	..	..	..
3.	Prospect Lane	..	..	..	„	..	..	..	1	..	..

CANCER AND MALIGNANT DISEASES.

These diseases have caused 146 deaths, as will be seen from the subjoined table, which shows the number of deaths and death rates since 1881.

Mortality from Cancer and Malignant Diseases.

Year.	Population.	Number of Deaths from Cancer.	Death rate per 1,000 of the Population.
1881	82,113	26	0.32
1882	83,271	32	0.51
1883	84,450	48	0.57
1884	86,004	57	0.67
1885	87,327	54	0.62
			0.54
1886	88,670	50	0.57
1887	90,034	57	0.63
1888	91,419	70	0.77
1889	92,825	58	0.62
1890	94,253	75	0.79
			0.68
1891	95,410	78	0.82
1892	95,373	75	0.79
1893	95,336	80	0.84
1894	95,299	82	0.86
1895	95,261	95	1.00
			0.86
1896	95,224	88	0.91
1897	95,187	94	0.99
1898	95,149	80	0.84
1899	95,112	70	0.74
1900	95,074	95	1.00
			0.90
1901	95,351	107	1.13
1902	96,573	93	0.95
1903	97,808	89	0.91
1904	99,056	97	0.98
1905	100,317	94	0.94
			0.98
1906	101,591	108	1.07
1907	102,877	96	0.94
1908	104,178	109	1.03
1909	105,492	112	1.06
1910	106,820	150	1.41
			1.10
1911	108,144	129	1.20
1912	109,512	130	1.19
1913	110,882	143	1.27
1914	112,265	146	1.30

DIETIC DISEASES.

The above diseases caused five deaths during the year, all due to alcoholism in one form or another. During 1913 seven deaths occurred, each of these was due to alcoholism.

CONSTITUTIONAL DISEASES.

The deaths caused by the above class of diseases numbered 193, being 11.7 per cent. of the total deaths. The death rate was 1.72, compared with 1.54 for 1913. Of these 193 deaths, Cancer accounted for 146, or 76 per cent. The rate was 1.30 per 1,000.

DEVELOPMENTAL DISEASES.

The deaths from these causes are set out hereunder :—

Old Age	..	..	..	..	..	103
Premature Birth	..	..	..	..	..	46
Atrophy, Debility, and Marasmus	..	..	..	..	..	14
Congenital Defects	..	..	..	..	..	10
Atelectasis	..	..	..	..	..	9
Debility at Birth	..	..	..	..	..	6
Dentition	..	..	..	..	..	6
Injury at Birth	..	..	..	..	..	4
Rickets	..	..	..	..	..	2
						200

BACTERIOLOGICAL LABORATORY.

The Laboratory at the Sanatorium, Mill Hill, has, as formerly, been of great service both in the Preventive and in the Clinical work of the Department.

There has been a considerable increase in the number of Bacteriological examinations made throughout the year, particularly is this increase seen in the throat-swab examinations. The number of sputums examined is in excess of last year, due, in a large measure to the increased work in relation to Tuberculosis under the National Health Insurance Acts.

The following tabulation shews the variation in the work of 1913 and 1914 :—

1913.	1914.
96 " swabs " for presence of Diphtheria Bacilli	169
175 " sputums " for presence of Tubercle Bacilli	210
18 " bloods " for Widal's reaction for diagnosis of Typhoid Fever	22
1 " urine " for presence of gonococci	1
1 " pus " from case of purulent Ophthalmia	—
291	402

The results of these Bacterioscopic Examinations were tested clinically wherever practicable.

Annual Number of Specimens Examined.

Year.	Specimens.
1909	232
1910	200
1911	285
1912	306
1913	291
1914	402

HOSPITALS.

The following statements are worthy of consideration, as they reveal clearly the worth of the Sanatorium to the inhabitants of the Borough. They set forth the details with respect to Scarlet Fever, Diphtheria, and Typhoid Fever, since the date, April, 1899, when the Sanatorium was opened for the reception of patients to the end of the present year, namely, January 2nd, 1915.

SCARLET FEVER.

The cases notified numbered 5,812, of these 5,493 were treated in hospital, leaving 319 treated at home. Out of the hospital treated cases 147 died, showing a case mortality of 2.7, and out of the home treated cases 21 died, showing a case mortality of 6.6 per cent.

One out of every 15 patients treated at home died, but practically 40 cases were treated in the Sanatorium for each death. The death rate in home treated cases is 144 per cent. greater than in hospital treated cases.

DIPHTHERIA.

The cases notified numbered 1,091, of these 773 were treated in hospital, leaving 318 treated at home. Out of the hospital treated cases 77 died, showing a case mortality of 10.0 per cent., and out of those treated at home 92 died, showing a case mortality of 28.9 per cent. The remaining death was of a person belonging the Borough, who died away from home. The case was not notified in the Borough.

Two out of every seven patients treated at home died, but as regards hospital treated cases only two out of 20 patients died, that is to say the death rate in home treated cases is 189 per cent. greater than in hospital treated cases.

TYPHOID FEVER.

The cases notified numbered 698, and of that number 535 were treated in hospital, leaving 163 to be treated at home. Of the number treated in the Sanatorium 94 died, showing a case mortality of 17.6 per cent., and of those treated at home 66 died, showing a case mortality of 40.5 per cent. One person who had not been notified in the Borough, died outside the district.

Two out of every five patients treated at home died, but only two out of every eleven patients treated in the Sanatorium died, that is to say, the death rate in home treated cases is 130 per cent. greater than in hospital treated cases.

The foregoing facts are tabulated hereunder :—

Disease.	Cases Notified.	Removed to Hospital.	Cases treated at home.	Mortality per cent. in Hospital.	Mortality per cent. at home.
Scarlet Fever	5812	5493	319	2.7	6.6
Diphtheria ..	1091	773	318	10.0	28.9
Typhoid Fever	698	535	163	17.6	40.5

In Table B of the Appendix will be found full details of the cases admitted to the Sanatorium. On the following page is contained the Hospital Table, showing the cases in the Sanatorium at the commencement of the year, the cases since admitted and discharged, the number of deaths, and the number remaining under treatment at the end of the year.

The following is the Report of Patients in the Hospital for 52 Weeks ended

Saturday, 2nd January, 1915.

	Small Pox.	Scarlet Fever.	Diphtheria.	Enteric, or Typhoid Fever.	Tuberculosis	Other or Doubtful Cases.	Total.
Number in hospital on Saturday, 3rd January, 1914	..	17	6	4	39	1	67
Number since admitted	1	202	82	17	83†	11‡	396
Number Discharged	1	198	77	15	93	6	390
Number Died	..	3*	2	4	7§	6	22
Number remaining in hospital ..	..	18	9	2	22	..	51

* One of these deaths resulted from Ulcerative Stomatitis.

† Includes one re-admission.

‡ Includes 9 Diarrhoea and 2 Premature Birth.

§ One death was registered as due to Organic Heart Disease.

|| Includes 5 Diarrhoea and 1 Premature Birth.

HUDDERSFIELD UNION--VACCINATION RETURNS

Registration Sub-Districts in County Borough comprised in the Vaccination Officer's District.	Number of Births returned in the "Birth List Sheets."	Number of these Births duly entered in columns 1, 2, 4, and 5 of the "Vaccination Register" (Birth List Sheets), viz:—				Number of these Births remaining unentered in the "Vaccination Register," on account of				Number of these Births neither duly entered in the "Vaccination Register," (columns 3, 4, 5, and 6 of this Return), nor temporarily accounted for in the Report Book (columns 8, 9, and 10 of this Return).
		Col. 1. Successfully Vaccinated.	Col. 2.		Col. 4. Number in respect of whom Certificates of Conscientious Objection have been received.	Col. 5. Dead Unvaccinated.	Postponement by Medical Certificate.	Removal to districts the Vaccination Officer of which has been duly appraised.	Removal to places unknown, or which cannot be reached, and Cases not having been found.	
			Insusceptible of Vaccination.	Had Small Pox.						
Huddersfield	507	112	..	..	286	43	27	4	14	21
Almondbury	258	55	..	..	169	17	3	1	3	10
Lockwood ..	265	40	..	..	196	13	2	..	1	..
Total ..	1030	207	..	..	651	73	32	5	18	31
Huddersfield	497	99	1	..	286	53	34	..	6	18
Almondbury	237	47	1	..	159	16	3	1	4	6
Lockwood ..	328	57	1	..	229	17	4	1	5	14
Total ..	1062	203	3	..	674	86	41	2	15	38

Jan. to June, 1914.

July to Dec., 1918.

The following figures relating to the meat trade have been kindly supplied by
Mr. Harris, the Markets Inspector.

Abattoir.	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896
Carcases brought in	1539	1258	3799	1520	1822	1971	1960	2606	2853	2944	4252	3523	3687	3362	3494	3534	2916	2987	1901
Beasts slaughtered	5851	5971	4224	4758	4327	3670	3471	3105	2962	2911	2933	2819	3528	3505	3772	3813	3880	3412	3445
Calves	..	2516	2969	3161	3213	3124	2739	2684	2678	2477	2449	2409	2695	2980	3217	2493	2124	2031	1990
Sheep	..	19408	17551	20247	20201	19766	15809	14554	15417	14886	12275	12769	12944	12799	12443	12902	13102	12801	12846
Pigs	..	7008	7973	7878	6983	7820	7959	7506	6546	6423	6772	6942	6396	5706	6333	6829	5682	6579	6908
Private Slaughter Houses.																			
Beasts slaughtered	695	869	738	700	831	786	599	650	570	654	638	647	843	717	805	757	833	870	743
Calves	..	149	302	354	352	406	337	456	438	404	373	422	562	434	479	628	597	474	354
Sheep	..	1444	1624	2095	2217	2260	1479	1781	1523	1734	1748	1894	1997	1594	1976	2647	2387	2640	2211
Pigs	..	2949	2509	2258	2294	1921	1932	1953	1838	2010	2256	1837	1842	1531	1602	1688	1522	1306	1123
Total ..	41559	43185	41689	42971	42240	41724	36285	35295	34825	34443	33696	33262	34494	32628	34121	35291	33043	33100	31521

Abstract of Monthly Meteorological Observations for the Year 1914.

1914. MONTH.	Barometer, corresponding to sea level. inches.	Temperature, Degrees F.					Wind, Maximum miles per hour.	Sunshine, hours (Total).	Rainfall, inches (Total).	Moisture of air, 100= saturation	Mean tempera- ture in air.	Mean tempera- ture at 1ft. 0in. in ground	Mean tempera- ture at 4ft. 0in. in ground	Total sunshine, per cent. of possible.	Total horizontal move- ment of the wind. Miles.
		Lowest Night.		Highest Day.											
		Grass.	Air.	Shade.	Sun.										
January ..	30.12	21	25	56	90	50	15.8	1.78	81	39.5	38.4	42.1	6	3840	
February ..	29.62	26	30	55	91	55	78.6	2.75	73	43.4	41.0	42.6	30	4590	
March ..	29.54	22	29	60	112	55	96.4	4.36	73	43.5	41.8	42.6	24	5540	
April ..	30.12	21	29	71	111	40	195.7	0.99	59	48.7	47.7	44.8	49	3370	
May ..	30.10	25	31	70	121	35	114.3	1.09	67	50.5	51.2	47.9	26	3085	
June ..	30.01	32	38	81	128	28	247.6	3.68	65	58.5	59.1	52.1	44	4065	
July ..	29.83	42	46	82	128	45	101.8	2.67	70	59.9	61.1	56.5	23	3070	
August ..	30.06	39	45	77	127	30	140.5	0.73	66	60.7	60.7	56.8	35	1910	
September ..	30.08	28	34	78	119	52	176.1	2.01	67	54.8	55.0	56.2	42	4160	
October ..	29.94	32	38	62	106	38	45.3	2.42	79	49.2	49.7	52.6	16	2250	
November ..	29.85	21	28	57	89	50	29.2	5.48	82	42.2	42.2	48.7	13	3090	
December ..	29.46	20	23	53	70	60	21.8	8.01	88	39.0	38.4	44.1	8	3940	
Averages or Totals ..	29.89	—	—	—	—	—	1263.1	35.97	72	49.2	48.8	48.9	26	42910	

Number of Lodgers using the Corporation Model Common Lodging House since 1893.

Date	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
January ..	6556	5821	6108	5963	6677	6486	7111	5954	5708	5667	5643	5646	5696	5696	5690	5931	5843	5517	5753	5594	5793	5860
February	5754	5282	5841	5815	5908	5908	6152	5947	5391	5464	5474	5565	5699	5825	5123	5582	5283	5025	5210	5316	5219	5342
March ..	6318	5658	6422	6332	6549	6658	7295	5749	5380	5503	5506	5383	5412	5499	5680	5975	5783	5708	5802	5710	5740	5829
April ..	6191	5632	5811	6069	6687	6548	7361	5703	5687	5504	5452	5371	5516	5515	5481	5778	5585	5557	5547	5491	5587	5636
May ..	6052	5814	5773	6237	7210	7038	7692	5791	5469	5460	5492	5377	5493	5519	5677	5975	5757	5642	5839	5743	5747	5840
June ..	5714	5278	5775	6691	6058	6798	6539	5587	5510	5692	5272	5304	5470	5701	5494	5762	5381	5608	5631	5385	5565	5627
July ..	5917	5440	5987	6664	6472	6601	6816	5635	5274	5326	5369	5190	5310	5393	5670	5983	5661	5793	5703	5739	5765	5762
August ..	5710	5192	5898	6786	6342	6567	6073	5685	5353	5311	5615	5506	5678	5700	5687	5979	5776	5814	5575	5646	5860	5739
September	5621	5647	5363	6761	5963	6573	6195	5939	5390	5529	5390	5665	5696	5702	5514	5782	5568	5665	5512	5556	5633	5501
October ..	5867	5685	6015	7123	5629	6671	6671	5734	5318	5529	5599	5501	5473	5510	5700	5977	5456	5866	5681	5739	5886	5796
November	5885	5482	6329	6940	5476	6745	6999	5662	5503	5656	5491	5674	5649	5702	5517	5774	5567	5565	5522	5463	5566	5663
December	5860	5767	6224	6957	6332	7218	7399	5967	5447	5494	5646	5491	5470	5510	5607	5860	5539	5810	5380	5671	5751	5671
Total ..	71,445	66,698	71,546	78,338	75,303	79,811	82,303	69,353	65,420	66,135	65,949	65,673	66,562	67,272	66,840	70,358	67,199	67,570	67,155	67,053	68,082	68,266

For these figures I am indebted to the Superintendent of the Corporation Model Lodging House.

WATER SUPPLY.

All the houses in the Borough, with the exception of a few in outlying districts, and which obtain their water from wells, are supplied with water by the Corporation Water Department. The service is constant.

DESCRIPTION OF THE HUDDERSFIELD CORPORATION WATERWORKS.

The Waterworks derive their supply from three different sources, viz :—The Longwood Reservoirs, the Blackmoorfoot and Deerhill Reservoirs, and the reservoirs and springs in Wessenden Valley.

The Longwood Reservoirs are two in number, situate at the foot of the east side of Scapegoat Hill, and distant from Huddersfield $2\frac{3}{4}$ miles. The supply to these reservoirs is from three separate springs, which rise near the top of the hill above, and the water is piped direct into the upper storage reservoir, which contains when full 50,000,000 gallons, and covers an area of $7\frac{3}{4}$ acres. The lower reservoir, situate at the foot of the embankment of the upper one, is also supplied with water from the same source, and acts as a service reservoir ; it has a capacity of 20,299,134 gallons, and covers an area of $3\frac{1}{2}$ acres. The water from this source is piped down to a service tank at Clough Head, Longwood, and to Spring Street Tank, Huddersfield. It has also a connection with the Snodley Service Reservoir. The Longwood Millowners' Compensation Reservoir is constructed on the Longwood Brook, with a capacity of $40\frac{1}{2}$ million gallons, and water area of $9\frac{1}{4}$ acres when full.

The Blackmoorfoot Reservoir is situate on the south-west side of Huddersfield, at a distance of four miles, and at an elevation of 831 feet above the sea level to top water line. This reservoir contains 700 million gallons.

The water covers an area of $101\frac{3}{4}$ acres when the reservoir is full. The drainage area is 1,900 acres, and the water from this gathering ground is conveyed into the reservoir by means of catch-

water conduits constructed along the contours of the hills for a distance of $5\frac{1}{2}$ miles.

There are two embankments to this reservoir, one on the north side and one on the south side.

The larger embankment is that on the north side, being 850 yards long, 400 feet wide at its base, and 70 feet high.

The Southern embankment is 500 yards long, 240 feet wide at its base, and 40 feet high.

The supply of water to the town and neighbourhood from this reservoir is three million gallons per day, exclusive of compensation water, 841,680 gallons, which is given out during 12 hours of every lawful working day.

The main pipe from this reservoir to Huddersfield is laid from the north tunnel entrance, along the highway in the Township of Linthwaite, to the village of Milnsbridge, where it crosses under the bed of the River Colne, and thence under the viaduct of the London and North-Western Railway at Longwood Station, near which there is a connection with the Longwood Reservoir main, whereby water can be sent into that reservoir to supplement its own supplies as required. The main then passes on to Paddock, and thence across the fields to Marsh, and along the New Hey Road into the Snodley Service Reservoir at West Hill, which is situate at a height of 500 feet above sea level, and is constructed to hold 1,250,000 gallons. From this Service Reservoir water is distributed through the town, and is also taken forward along the Leeds Road for the supply of Mirfield and Ravensthorpe.

The main from the south entrance tunnel at Blackmoorfoot conveys the water to the villages of Netherton, Armitage Bridge, Berry Brow, Honley, Almondbury, Kirkheaton, Lepton, Kirkburton, Shelley, and Shepley, and also to a portion of Huddersfield.

The Deerhill Reservoir is situate in Lingards Township on the slope of the west side of the hill from which it derives its name. Its top water level is 1,144 feet above sea level. It contains 160 million gallons of water, covers 38 acres, and has a drainage area

of 1,200 acres. The water is conveyed into the reservoir by means of a Catchwater Conduit $3\frac{1}{2}$ miles long, in Marsden Township. Filter beds have been built at the foot of the North Bank of the reservoir in order to filter all the water before entering the mains. Compensation to the millowners in the Wessenden and Colne Valleys is delivered from this reservoir at various points, amounting in the aggregate to 358,560 gallons every working day. There is also a connection from this reservoir with the Wessenden main, which supplies the high levels, so as to supplement that supply as occasion requires. A 12-inch main is laid from this reservoir via Meltham, Netherthong, Thongsbridge, and Newmill to the tank at Shepley Marsh, for the supply of the higher parts of Shepley, Shelley, Lepton, and Emley Townships.

The Wessenden Springs are situate on the west side of the Wessenden Reservoir, consisting of the Great Dyke Springs, the Blake Clough and Blakeley Clough Springs, which are piped into a tank situate at an elevation of 1,025 feet above sea level, from which the water is conveyed by a 9 inch main laid down the valley to Marsden, and thence passing along the Manchester and Huddersfield Turnpike Road to Slaithwaite, where there is a connection with the Deerhill main. From thence the main that supplies Golcar branches off up the Crimble Valley to the Service Reservoirs at Windy End and Clough Head, and thence to Outlane. The main continues along the Manchester Road, through Milnsbridge and Quarmby, to the Service Reservoir at Lindley. These springs yield on an average 500,000 gallons per diem.

The surplus water after supplying the 9 inch main above referred to, passes into an 18 inch main laid across the valley to the Catchwater Conduit at Scout, and thence along such Conduit into the Blackmoorfoot Reservoir. This main was laid in the year 1887.

There are four reservoirs in the Wessenden Valley.

The old Wessenden Reservoir is situate at an elevation of 984 feet above sea level, and of a capacity of 107 million gallons.

The Wessenden Head Reservoir is situate at an elevation of 1,268 feet above sea level, with a capacity of 82 million gallons.

From this reservoir a 12 inch main is laid via Marsden, Slaithwaite, and Golcar to Scapegoat Hill, Longwood. Here a Service Reservoir, with a capacity of $1\frac{1}{2}$ million gallons, has been built to supply the high level districts.

The Blakeley Reservoir, authorised by the Waterworks Act of 1871, is constructed by placing an embankment across the Wessenden Valley, above the top water level of the Butterley Reservoir, and about a mile up the valley from the Butterley Dam. This reservoir covers an area of about $9\frac{1}{2}$ acres. The top water level is 848 feet above sea level, the depth of water in front of the embankment is 63 feet, and the height of embankment 80 feet above the level of the Wessenden Brook at the point of crossing. The capacity is 80,000,000 gallons.

The Butterley Reservoir, authorised by the Act of 1890, and which was filled with water to overflowing for the first time on December 5th, 1906, is formed by an embankment placed upon the site of Upper Bank Bottom Mills, at the lower end of the Wessenden Valley, the top of which is 111 feet above the bed of the stream. The capacity is 403 million gallons, surface area 43 acres, the greatest depth of water 94 feet. Top water is 770 feet above sea level. Compensation water is given out from this reservoir at the rate of 2,258,640 gallons per working day in respect of the Wessenden Valley watershed. From this reservoir a 24 inch main is laid for domestic and trade purposes via Marsden, Lingards, Linthwaite, and Golcar to Longwood Lower Reservoir to supplement the low level supply. Six Bell's Filters were erected during 1910 at Longwood Reservoirs for filtering the water from this reservoir.

The whole of the supply is by gravitation, and the drainage area of the reservoirs is chiefly moorland or high mountain pasture and millstone grit formation, which is the best known natural filter. The capacity is 403,513,000 gallons.

RIVERS POLLUTION.

Under the Order of the Local Government Board setting forth the duties of the Medical Officer of Health, a report is required on the pollution of rivers and streams in the district.

As this matter is dealt with in the West Riding of Yorkshire by a specially constituted Rivers Board, a detailed report does not appear to be called for in this relation.

It may be reported generally, that the streams are very much polluted, and that the pollution is general, but that improvement in their condition is taking place, due to the work of the above-named Board.

SANITARY ACCOMMODATION IN HUDDERSFIELD.

	1912	1913	1914
Number of clean water closets, including trough closets ..	9,926	10,464	11,229
Number of waste water (slop) closets	208	208	206
Number of tub closets	15,100*	15,180†	15,100†
Number of tubs in use	15,755	15,671†	15,457†
Number of ashpits in use	8,000*	6,446†	5,786†
Number of ashbins in use	3,500*	6,911†	6,214†
Number of existing privy middens	300*	312†	244†

* These figures were estimates made by the Scavenging Superintendent and the Inspector of Nuisances, early in 1913.

† This information was kindly supplied by the Scavenging Superintendent.

Closet conversions during 1914 carried out under Sanitary Notices.

Privies with fixed receptacles converted to privies with moveable receptacles	13
Privies with fixed receptacles converted to clean water closets	16
Privies with fixed receptacles discontinued and demolished	2
Privies with moveable receptacles converted to clean water closets	20
Slop water closets converted to clean water closets	2

NOTE.—In every case where a sufficient sewer and water supply is available, all new closets erected must be on the water carriage system, and be flushed with clean water.

REMOVAL OF NUISANCES.

	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	TOTALS.
Drains requiring Re-construction	25	9	5	8	47
Do. connecting with main sewer ..	8	24	..	4	36
Drains not efficiently trapped	4	24	5	5	38
Do. requiring Ventilation Shafts	14	7	6	12	39
Defective Sink Pipes and Drains	16	46	22	32	116
Do. Yard Drains	46	31	29	55	161
Do. Cellar Drains	15	14	5	9	43
Do. Eave and Fall Pipes	20	17	4	24	65
Do. Roofing	7	13	3	12	35
Do. Urinals	1	..	..	5	6
Do. Baths	..	1	2	..	3
Do. Water Closets	6	13	6	14	39
Waste Pipes requiring Disconnecting	33	7	7	28	75
Fall Pipes requiring Disconnecting	16	11	5	12	44
To provide Eave and Fall Pipes	12	15	..	14	41
Do. Sinkstones in Houses	3	4	1	4	12
Nuisances from want of Drains	..	1	..	..	1
Do. Water in Cellar	1	12	4	2	19
Do. Cellar Wells	..	3	..	..	3
Do. Cess Pools	..	4	..	2	6
Do. Street Gullies	14	10	39	13	76
Do. Stagnant Water	2	1	..	2	5
Do. Defective Surface of Yard	5	4	8	9	26
Do. Smoke	9	11	1	..	21
Do. Poultry, Pigeons, and Animals	2	..	3	..	5
Offensive Accumulations	6	11	12	5	34
Do. Ashpits and Privies	5	2	3	4	14
Do. Swill Tubs	..	..	..	..	..
Do. Urine Receptacles	..	..	1	..	1
Urine Guards required	..	..	..	..	..
Closets requiring Lime-washing	1	2	2	7	12
Ashpits and Closets requiring Re-construction	20	31	14	40	105
Do. requiring proper doors and covering	26	9	16	19	70
Old Privies requiring alteration to tub or w.c. system	13	17	1	3	34
Tub Closets requiring alteration to W.C. system	..	..	..	5	5
Insufficient Closet Accommodation	13	8	5	11	37
Houses Overcrowded	3	22	2	3	30
Do. Unfit for Habitation	2	..	24	41	67
Do. Requiring Cleansing	3	6	..	3	12
Do. Requiring Ventilation	6	29	13	14	62
Do. Damp	8	24	4	8	44
Do. Requiring Water Supply	1	..	1	..	2
Workshops requiring Lime-washing	7	6	2	1	16
Cowsheds requiring Lime-washing	..	..	..	..	..
Do. Draining	..	..	..	1	1
Do. Lighting	..	..	..	1	1
Do. Paving	..	2	..	1	3
Do. Ventilation	..	..	..	1	1
Bakehouses requiring Lime-washing or Cleansing	..	1	1	..	2
Bakehouses requiring Ventilation underground	1	..	..	..	1
Defective Woodwork and Plastering round Sink	1	..	1	14	16
Slaughterhouses requiring Lime-washing	..	2	..	..	2
Factories—Provision of Fire Escape	..	..	..	1	1
TOTALS	375	454	257	449	1535

SUMMARY.

	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	TOTALS.
No. of Premises where Notifiable diseases have occurred	174	193	272	201	840
Do. inspected .. do. .. do. ..	174	193	272	201	840
Do. disinfected .. do. .. do. ..	100	107	240	161	608
Do. flushed .. do. .. do. ..	112	77	206	142	537
Do. visited searching for fever	435	592	489	561	2077
Number of re-visits where cases are isolated at home	124	126	150	178	578
Do. houses visited for Zymotic or other particulars	157	158	276	167	758
Total number of visits to infected houses	961	988	1189	1012	4150
Cases removed to Hospital, &c.	88	94	109	105	396
Number of Articles disinfected by Lyon's Disinfecter	2107	2508	2591	2647	9853
Number of visits in deaths from Phthisis	26	24	23	16	89
Do. Under one	56	18	35	5	114
Number of premises flushed by request of owners (paid for)	69	88	69	103	329
Other premises, yards or courts flushed	400	381	300	356	1437
Drains found choked by Flushers	277	294	244	246	1061
Drains made clear	270	286	242	239	1037
Number of Tubs registered	7	24	6	1	38
Do. applications received to empty Ashpits and Privies	98	86	53	33	270
Do. do. do. Receptacles	6	6	9	1	22
Nuisances reported to Public Health Department ..	70	106	143	108	427
Do. inspected	70	106	143	108	427
Inspection of premises where nuisances are found ..	217	235	189	234	875
Do. premises where no nuisances are found ..	641	602	584	548	2375
Do. premises where offensive trades are conducted	51	24	25	16	116
Do. Dwellinghouses in house to house visitation	..	..	..	..	..
Do. Cellar Dwellings	22	31	67	88	208
Do. Houses let in lodgings and Common Lodging Houses	177	192	115	160	644
Do. Workshops	193	74	47	37	351
Do. Factories	34	37	7	7	85
Do. Schools	12	7	20	120	159
Do. Slaughter Houses	200	145	157	124	626
Do. Canal Boats	101	99	61	60	321
Do. Dairies and Milkshops	22	3	7	12	44
Do. Cowsheds	226	243	9	304	782
Do. Bakehouses	171	233	175	178	757
Do. Markets and Shops	227	111	107	109	554
Do. Van Dwellings	..	59	49	..	108
Re-visits to works in progress	502	440	572	426	1940
Visits to property under notice	674	674	848	811	3007
Total number of Inspections of Premises	3470	3190	3039	3234	12933
No. of Entries in Report Books	126	154	139	170	589
Preliminary Notices to Owners	47	45	36	46	174
Number of Legal Notices issued for abatement or abolition of nuisances	49	129	70	123	371
Owners seen personally	304	239	361	242	1146
Summonses taken out	..	1	1	..	2

SUMMARY.—Continued.

	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	TOTALS.
Sections of New Drains tested	29	17	26	31	103
Do. and satisfactory at first test	29	17	26	31	103
Old Drains tested	15	28	27	14	84
Do. and found sound	5	15	10	7	37
Do. and found defective	10	13	17	7	47
Smoke observations taken	180	219	206	179	784
Number of visits under Food and Drugs Acts ..	154	64	27	54	299
Food and Drugs—samples purchased	95	41	16	60	212
Do. do. adulterated	4	10	5	1	20
Informal sample of Mussels purchased	..	..	..	1 quart	1 quart
Meat, seizures made or destroyed	46c. 2qr. 18lb beef. 1c. 3qr. 10lb pork. 30lb liver.	30c. 2qr. 22lb beef. 1c. 3¼qr. pork.	35c. 25lb beef. 7c. 2qr. 21lb pork	16c. 3qr. beef. 1c. 2qr. pork.	129c. 1qr. 9lb beef. 12c. 3¼qr. 3lb pork. 30lb liver.
Fish do. do.	8 cwts. mussels. 2 cwts. cockles.	10 st. mackerel. 35 lb prawns.	..	..	8 cwts. mussels. 2 cwts. cockles. 10st. mackerel. 35 lbs. prawns,
Fruit & Vegetables do.	4½ cwts. potatoes.	24 tins. foodstuffs	36 bags field peas. 25 tins foodstuffs	17 tins foodstuffs	66 tins foodstuffs 4½ cwts. potatoes. 36 bags field peas.
Water Samples taken for Analysis	3	..	..	1	4
Do. polluted	1	..	..	1	2
No. of visits under Fertilizers and Feeding Stuffs Acts	3	..	..	..	3
No. of Samples procured do. do.	3	..	..	..	3
Do. found adulterated	..	..	..	..	..
No. of visits under Rag Flock Act	..	..	..	..	..
Do. Samples taken	..	..	..	..	..
Do. do. certified to be polluted	..	..	..	..	..
No. of Notifications received under Tuberculosis Order, 1913	..	7	..	..	7
No. of Animals inspected by Vet. Inspector ..	..	77	..	..	77
Do. certified by Vet. Insp. to be tubercular ..	..	8	..	..	8

INSPECTORIAL WORK.

DRAINAGE, NUISANCES AND SO FORTH.

The two returns on the preceding pages present in tabular form the work performed by the Sanitary Inspectors during the year under review.

The tables are worthy of a careful perusal and from them some idea of the onerous and diversified work of the Sanitary Inspectors may be formed. The amount of work accomplished is so great and varied, that it is practically an impossibility to describe it in detail, but the following facts and figures have been abstracted as being well worth particular notice.

The total number of inspections of different classes of premises, during the year, reached 12,933, including 826 inspections of dairies, cowsheds and milkshops, 644 inspections of common lodging houses and houses let in lodgings, 554 inspections of markets and shops, 3007 visits to property under notice, and 1940 visits to work in progress.

In addition to the above, 4150 premises where infectious disease had occurred, were visited for purposes of disinfection or enquiry.

Two thousand three hundred and three premises have had the drainage arrangement flushed for the removal or prevention of insanitary conditions. In 329 cases the flushing was carried out at the request of the owner or occupier, who paid for the work, and in 537 instances the drains of premises where infectious disease had occurred have been flushed.

In 1037 instances where drains were found choked, the flushing staff of the Department were able to effect a clearance thereof without having recourse to opening out the ground.

Four hundred and twenty-seven complaints of nuisances existing were received by the Department during 1914. In every instance prompt enquiry was made into the matter and immediate action taken where necessary to effect improvement in the condition of affairs complained of.

In the Nuisance Report Books of the Sanitary Inspectors, the number of entries totalled 589, and in connection therewith, 1146 interviews have taken place with the owners or agents of properties concerned. In addition, 174 preliminary notices and 371 legal notices have been issued in respect of the above entries.

In 557 of the above cases the work necessary was carried out as the result of the action taken by the Public Health Department, of the 32 remaining, in 15 instances the work required is in hand, whilst in 17 cases nothing has yet been done.

Common Lodging Houses.

At the end of December, 1913, there were 24 Common Lodging Houses on the Register, accommodation for 764 lodgers, viz :—

Single Men.	Single Women.	Married Couples.	No. of Beds.
705	.. 11	.. 24	.. 739

There has been one addition to the Register of Common Lodging Houses and one discontinued, but in two instances there has been a change in the keepers of houses during the year.

At the end of the year there were 24 Common Lodging Houses on the Register, accommodating 801 lodgers, namely :—

Single Men.	Single Women.	Married Couples.	No. of Beds.
747	.. 8	.. 23	.. 778

so that it will be seen that the accommodation provided for this class of population has been increased by 42 beds for single men, whilst it has been decreased by 3 beds for single women and a married couple.

At the Municipal Common Lodging House in Chapel Hill, the accommodation amounts to 185 beds for 193 lodgers, viz :—166 Single Men, 11 Single Women, and 8 Couples, and of course this provision is in addition to that above indicated.

During the year 506 visits have been paid to these houses, 179 of these visits were made during the night.

The standard of cleanliness was, on the whole, very well maintained, and proper regard was found to be paid to the requirements of the Bye-laws of the Corporation.

On the following page, a list is given of the Registered Common Lodging Houses in the town at the end of 1914 (excluding the Municipal Common Lodging House before-mentioned), showing the situation of each house, its keeper and the number of lodgers each house is registered to accommodate.

COMMON LODGING HOUSES.

Registered No.	Name of Keeper.	Situation of Common Lodging House.	Registered to Accommodate.				Remarks.
			Single Men.	Single Women.	Married Couples.	Total.	
1	Eliza Wood	New Model, Kirkgate	62	..	..	62	62
2	John O'Hara	28, Castlegate	11	..	..	11	11
3	Joseph Cliffe	23 & 27, High Street	31	..	..	31	31
4	Joseph O'Brien	40, Manchester Street	16	..	..	16	16
5	Frank Bohuken	54, Castlegate	9	..	2	13	11
6	Thomas Joyce	7, 9 & 11, Beast Market	65	..	..	65	65
7	John Rafferty	59, Castlegate	12	..	3	18	15
8	Do.	61 & 63, Castlegate	24	6	5	40	35
9	Kate Sykes	15 & 17, Castlegate	42	..	3	48	45
10	Thomas Joyce	26, Lowerhead Row	37	..	..	37	37
11	John William Brown	37, Denton Lane	48	..	..	48	48
13	Ernest Broadbent ..	6, Bradley Street North	27	..	..	27	27
15	John O'Hara	2, 3, 4, 5, 6, 11 & 12, Old Post Office Yard	37	2	4	47	43
19	Ann Ellen Dolan	10 & 12, Castlegate	22	..	..	22	22
23	John Pinder Collinson	33, High Street	22	..	..	22	22
24	Mary Greenley	73, Castlegate	5	..	3	11	8
26	William Rogers	8, Boulder's Yard, Castlegate	13	..	3	19	16
28	George Dyson Darwent ..	1, Rosemary Lane	50	..	..	50	50
30	Patrick Butler	21, Macaulay Street	26	..	..	26	26
31	John Draper	85, King Street	25	..	..	25	25
32	Alfred Culpin	3, Northgate	22	..	..	22	22
33	Frank Gannon	5, Lowerhead Row	19	..	..	19	19
34	Thomas McGowan ..	10, Albion Street	80	..	..	80	80
35	George Dyson Darwent ..	37, 39 & 41, Kirkgate	42	..	..	42	42
							Transferred to Mrs. Annie Wood, Oct., 1914
							Transferred to Mrs. Bridget Gannon, June, 1914.

Houses Let in Lodgings.

This class of houses is subject to inspection and registration under clauses contained in the Huddersfield Improvement Act of 1871.

The short tabular statement given below shows the number of houses let in lodgings on the registers at the beginning of the year, the number of such houses removed from the register and the number of new houses registered as houses let in lodgings

Houses let in lodgings on register, January 1st, 1914 ..	147
Houses removed from register during the year 1914 ..	0
Houses added to the register during the year 1914 ..	0

Houses remaining on the register on December 31st, 1914 147

Of the above houses 118 are in the Central Ward of the Borough, and 29 are contained in the outer Wards.

In the 147 houses accommodation is afforded for 897 lodgers in 300 rooms.

The supervision exercised over this class of house by the Officers of the Public Health Department, during recent years has been inadequate, and the year 1914 formed no exception. In the report for 1913, the cause hereof was indicated, no change has been affected.

HOUSING, TOWN PLANNING, ETC., ACT, 1909.

REPORT ON HOUSING.

The houses in the Borough are comprised of cellar dwellings, back to back, and through houses.

There are at present 212 occupied cellar dwellings.

Excepting certain areas in the Central Districts of the town, the houses generally are in fair condition, but there is a scarcity of low rented houses for the working classes.

To provide low rented houses for the working classes, and for the tenants of cellar dwellings, which are being compulsorily closed, under the Public Health Act, 1875 and the Housing, Town Planning, etc., Act, 1909, the Housing, Town Planning Committee are having erected 249 dwelling-houses.

Of this number 6 through houses and 60 tenements at Moldgreen are at present tenanted. There are in course of erection, 36 Tenements at Kirkgate, 25 Through Houses at Bradley, 20 at High Royd, 24 at Salendine Nook, 30 at Woodfield, and 48 at Royds Wood.

The number of new houses erected during the year was 313. The supervision of the construction of these houses is carried out by the Borough Engineer.

Population of Borough at Census, 1911	..	..	107,821
Number of inhabited houses at Census, 1911	..	..	25,879
Average number of persons per house at Census, 1911	..	..	4.17
Estimated population at the middle of the year 1914	..	..	112,265
Estimated number of inhabited houses of the year 1914	..	..	27,844
Average number of persons per house for the year, 1914	..	..	4,032

SUMMARY OF HOUSING WORK DONE DURING THE YEAR 1914.

Total number of houses inspected	333
Total number of houses which were found to be insanitary with regard to one or other of the items set forth in the Inspection of District Regulations 1910	329
(The general character of the above defects are shewn in the following schedule) :—	
Total number of houses considered to be uninhabitable (exclusive of underground rooms)	30
Total number in which the Medical Officer of Health asked for closing orders	30
Total number of Closing Orders made	29
Number of houses ordered to be demolished	6
Number of houses ordered to be closed, but not to be demolished	4
Number of houses ordered to be closed, the notices for which have not yet expired	4
Number made habitable after closing orders had been made	—
Number being made habitable after closing orders had been served, but not completed by Dec. 31st, 1914	15
Total number of Closing Orders made in respect of underground rooms, as per Sec. 17 (7) H. T. P., etc., Act, 1909	29

SCHEDULE OF DEFECTS REPORTED.

Houses with defective walls	..	..	..	..	93
Houses with defective roof	..	..	..	..	87
Houses with insufficient closet accommodation				..	27
Houses with defective closet	..	..	..	..	124
Houses with defective ashes place		..	..	..	44
Houses with defective sink pipes and drains			..	..	210
Houses with defective sinks and sink linings			..	..	175
Houses with defective floors	..	..	..	..	113
Damp houses	..	..	..	..	51
Houses with defective ventilation		..	..	..	212
Houses with defective windows		..	..	..	129
Houses overcrowded	..	..	..	..	—
Cellar dwellings	..	..	..	..	23
Houses with defective paving	..	..	..	..	66
Houses with defective water supply	..	..	..	..	7
Houses with unscheduled defects	..	..	..	..	2
Total number of defects found		..	..	..	1363

DISEASES OF ANIMALS ACTS.

Tuberculosis Order, 1913.

„ „ **1914.**

The first-named Order came into operation on May 1st, 1913, and the New Tuberculosis Order came into operation on July 1st, 1914.

In Huddersfield the Watch Committee carry out the provisions of the Diseases of Animals Act, 1894–1911, but it was thought advisable that the provisions of the above Order should be administered by the Health Committee.

The Order has been administered in the Borough without the least friction between the farmers and the Public Health Department.

The following tabular statement shows the work carried out in the Borough under the Tuberculosis Order during the period, January 1st to August 6th, 1914, at which latter date the Order was suspended by an Order of the Board of Agriculture and Fisheries.

The gross amount of compensation paid by the Corporation, the amount received in salvage from the Board of Agriculture and the nett cost to the Corporation for compensation, is shown in the statement.

DISEASES OF ANIMALS ACTS, 1894 to 1911.

TUBERCULOSIS ORDERS OF 1913 AND 1914.

Statement as to premises on which Tuberculosis (a) reported [Arts. 2 and 3 (1)] but not confirmed [Art. 4 (6)] ; and (b) found to exist [Art. 5 (1)] together with particulars as to animals affected on premises in the District of the Local Authority of Huddersfield, for the period January 1st to December 31st, 1914 inclusive.

CONCLUSIONS FROM POST-MORTEM. (Art. 7)																									
N.B.—An animal affected with Tuberculosis of the udder should be entered in Column A only; if not so affected, but emaciated, in column C only. In any other case the animal should be entered in column B, D, or E, as the case may be. No animal must be entered in more than one column.																									
Number of premises on which disease was reported [Arts. 2 and 8 (1)], but not confirmed [Art. 4 (6).]	Number of premises on which disease was declared to exist. [Art. 5 (1).]	Number of animals examined by Veterinary Inspectors (Art. 4).			Number of animals found to be diseased. [Art 5 (1).]			Number of cases in which diagnosis was aided by use of Tuberculin [Art. 4 (1).]	Number of animals having Tuberculosis of the Udder.					Number of animals suffering from Tuberculosis with emaciation.	Number of animals Affected, but not as in Columns A, B, or C.	E	Three-fours.	Full.	Number of animals for which compensation was paid. (Art. 8.)		Salvage received for carcasses or parts of carcasses.	Grants received from the Board of Agriculture		Nett cost to Corporation for Compensation.	
		A	B	C	A	B	C		A	B	C	D	E						£	s.		d.	£		s.
1st quarter..	2	14	5	..	1	..	1	1	1	..	1	1	..	..	..	..	2	..	..	£	s.	d.	£	s.	d.
2nd quarter..	7	77	..	1	2	6	1	1	1	..	6	..	..	..	..	..	8	..	..	14	0	0	4	0	0
Totals for Period	9	91	5	1	2	7	2	2	2	1	7	..	..	..	..	..	10	..	..	18	0	0	5	6	3

FOOD INSPECTION.

FOOD AND DRUGS ACTS, 1875 TO 1907.

Report of Action taken under the above-named Acts in the County
Borough of Huddersfield during the year 1914.

1.—ARTICLES ANALYSED.

New Milk	..	..	..	112	of which 18 were certified as adulterated
Butter	..	..	..	18	
Coffee	..	..	..	23	of which 1 was certified as adulterated.
Preserved Cream	..	..	..	6	
Cocoa	..	..	..	3	
Margarine	..	..	..	4	
Pepper	..	..	..	2	
Cream	..	..	..	1	
Baking Powder	..	..	..	6	
Cream Cheese	..	..	..	5	2 of which were certified as adulterated.
Borax	..	..	..	3	
Olive Oil	..	..	..	1	
Castor Oil	..	..	..	3	
Potted Meat	..	..	..	1	
Skimmed Milk	..	..	..	1	
Zinc Ointment	..	..	..	3	
Oil of Almonds	..	..	..	5	2 of which were certified as adulterated.
Cheese	..	..	..	3	
Lemon Curd	..	..	..	2	
Lard	..	..	..	2	
Liquorice Powder	..	..	..	3	

1.—ARTICLES ANALYSED.—Continued.

Apple Jelly	..	..	1
Bloater Paste	..	..	1
Compound Liquorice Powder			1
Coffee and Chicory	..		2
Damson Jam	..	..	1

Total 218 of which 23 were certified as adulterated.

2.—DETAILS OF THE 23 SAMPLES REPORTED BY THE PUBLIC ANALYST TO BE ADULTERATED.

No.	Article.	Result of Analysis.	Proceedings.	
14	New Milk	2.47 per cent water added.	Further samples taken and found to be of good quality.	
<u>10</u>	<u>Cream</u> <u>Cheese</u>	This fat seems to be a mixture of butter fat with foreign fat.	do.	do.
<u>12</u>	<u>do.</u>	The analysis of this fat indicates that it is not genuine butter fat.	do.	do.
<u>13</u>	<u>Coffee</u>	A mixture of Coffee and chicory.	A sample afterwards taken was found to be genuine coffee of good quality.	
80	New Milk	5.77 per cent. water added.	Vendors warned by Town Clerk.	
82	New Milk	2.47 per cent. water added.	do.	do.
86	New Milk	3.25 per cent. water added.	Warning letter sent to Vendor.	
87	do.	7.55 per cent. water added.	do.	do.

No.	Article.	Result of Analysis.	Proceedings.	
90	New Milk	2.12 per cent. water added.	Vendor warned by Town Clerk.	
91	do.	0.32 per cent. water added.	do.	do.
93	do.	2.24 per cent. water added.	do.	do.
94	do.	5.3 per cent. water added.	do.	do.
<u>20</u>	<u>Oil of Almonds</u>	Not Almond Oil, but Blown Oil, <i>i.e.</i> , an oil into which air or oxygen has been blown.	Formal sample taken (see below).	
99	Oil of Almonds	Not Oil of Almonds, it responds to all tests for blown rape, (ravisson) oil.	Vendor warned by Town Clerk.	
<u>32</u>	<u>New Milk</u>	Obtained distinctive tests for presence of formalin ; the amount does not appear to be large and in Borough Analyst's opinion it would be difficult to obtain correct amount.	Vendors warned by Medical Officer of Health.	
101	do.	3.5 per cent. water added.	Vendor warned by Town Clerk.	
104	do.	3.81 per cent. water added.	do.	do.

No.	Article.	Result of Analysis.	Proceedings.
105	New Milk	6.68 per cent. water added. Sample contained trace of Formalin.	Vendor warned by Town Clerk.
106	do.	3.65 per cent. water added.	do. do.
107	do.	7.26 per cent. water added.	do. do.
108	do.	2.53 per cent. water added.	do. do.
<u>51</u>	<u>do.</u>	26.7 per cent. of its fat abstracted. Sample contained Formaldehyde.	Further samples have been taken as follows: 1 formal: genuine good quality. 2 informal: good quality. Fats considerably above average; no preservatives.
<u>93</u>	<u>do.</u>	0.98 per cent. water added.	Further sample to be taken.

NOTE.—The articles underlined were informal samples.

3.—OFFENCES OTHER THAN ADULTERATION.—None.

4.—LEGAL PROCEEDINGS.—None.

INFORMAL PROCEEDINGS.

During the year 1914, 98 samples were obtained in an informal manner, and submitted to the Public Analyst for analysis. They are included in the foregoing :—

These samples were made up of :—

Butter	..	..	..	..	..	..	18
Coffee	..	..	..	..	..	..	16

INFORMAL PROCEEDINGS,—Continued.

Cream Cheese	..	..	..	..	..	..	5
Oil of Almonds		..	..	..	..	..	4
Cheese	..	..	..	..	..	..	1
Lemon Curd	..	..	..	..	..	..	1
Lard	..	..	..	..	..	..	2
Liquorice Powder		..	..	..	..	..	3
Borax	..	..	..	..	..	..	3
Castor Oil	..	..	..	..	..	..	3
Olive Oil	..	..	..	..	..	..	1
Margarine	..	..	..	..	..	..	1
New Milk	..	..	..	..	..	..	24
Preserved Cream		..	..	..	..	..	4
Zinc Ointment	..	..	..	..	..	..	3
Cream	..	..	..	..	..	..	1
Pepper	..	..	..	..	..	..	2
Marmalade	..	..	..	..	..	..	1
Dried Milk	..	..	..	..	..	..	1
Baking Powder		..	..	..	..	..	1
Chicory and Coffee	..	..	..	..	..	..	1
Potted Meat	..	..	..	..	..	..	1
							—
Total	..	..	..	..	..	..	98

MILK AND CREAM REGULATIONS, 1912.

All the samples of milk submitted for analysis to the Public Analyst during the year, under the Sale of Food and Drugs Acts, have been examined by the Analyst for the presence of preservatives. With regard to samples of cream and preserved cream submitted, the percentage of milk-fat and presence of preservatives has been determined, and in preserved cream, in addition, it has been ascertained as to whether or no the statement on the label as to nature and amount of added preservative is correctly stated.

The details are set out below :—

1.—MILK, AND CREAM NOT SOLD AS PRESERVED CREAM.

		No. of samples examined for the presence of preservatives.			No. in which a preservative was reported to be present.
Milk	..	112	..		3
Cream	..	1	..		—

PARTICULARS OF MILK SAMPLES IN WHICH PRESERVATIVES
WERE FOUND.

No. of Sample.	Nature and quantity of preservative found.	Action taken.
<u>32</u>	Distinctive test for presence of formalin obtained, but difficult to ascertain cor- rect amount.	Vendors warned by Medical Officer of Health.
<u>51</u>	This sample contained Formaldehyde.	Vendors warned by Medical Officer of Health.
105	The sample contained a trace of Formalin the per- centage of which could not be estimated.	Vendor warned by Town Clerk.

NOTE.—The samples underlined were informal ones.

2.—CREAM SOLD AS PRESERVED CREAM.

(a) Instances in which samples have been submitted for analysis
to ascertain if the statements on the label as to preservatives
were correct :—

1. Correct statement made	..	..	6
2. Statements incorrect	..	..	..
Total	..	..	6

(b) Determinations made of milk fat in cream sold as preserved cream :—

1. Above 35 per cent.	..	..	..	6
2. Below 35 per cent.	..	..	..	..
Total	..	..	..	6

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1), and the proviso in Article V. (2) of the Regulations have not been observed.—None.

(d) Particulars of each case in which the Regulations have not been complied with and action taken.—Nil.

3.—THICKENING SUBSTANCES.

(1) Any evidence of their addition to cream or preserved cream.
No.

4.—OTHER OBSERVATIONS. None.

(Signed), E. RICHARDSON,
Inspector under the Food and Drugs Acts.

DAIRIES, COWSHEDS AND MILKSHOPS.

The inspection of this class of premises which obtained during 1913, has been continued during the year under review. The number of visits paid by the District Sanitary Inspectors totalled 826.

At the end of the year 1914 there were in the Borough :—

Cowkeepers, who are also Milk Purveyors	..	182
Milk Purveyors only		85
Milk Shops, selling over counter		46
		313

In addition 67 Milk Purveyors who live outside the Borough are on the register.

The older type of Cowsheds in the Borough still continue to be unsatisfactory, and while the law relating to such premises remains in its present unsatisfactory state, much improvement cannot be looked for.

If the law regulating cowsheds could be amended so as to throw the responsibility of making structural alterations on to the owner, and if in addition, it was enacted that no place should be used as a Cowshed unless it was licensed by the Sanitary Authority of the district in which it was situate, as being suitable in all respects for use as a Cowshed, then an immediate improvement would ensue, not only in Huddersfield, but throughout the country.

The standard of cleanliness of the Dairies, Cowsheds and Milkshops has been well maintained throughout the year, indeed in this respect they will compare favourably with any in the country.

The following short tabular statement give the number of milch cattle inspected by the Veterinary Inspector of the Department during 1914, and shows the number of farms and cowsheds visited.

Number of Farmsteads		135
Number of Cowsheds		214
Number of Milch Cattle		1253

In the above visitation of Farms and Cowsheds the Veterinary Inspector was accompanied by a District Sanitary Inspector.

FACTORY AND WORKSHOPS ACT, 1901.

REPORT OF INSPECTIONS AND OF ACTION THEREON During 1914.

By Section 132 of the above-named Act, the duty is laid upon the Medical Officer of Health of every District Council in his annual report to them, to report specifically on the administration of the Act in his district.

The duties imposed upon Sanitary Authorities under this Act have reference to the following subjects :—

- (a) Registration of Workshops.
- (b) Sanitation and Sanitary Accommodation and Conveniences.
- (c) Special Sanitary Provisions for Bakehouses.
- (d) Fire escapes.
- (e) Home Work.
- (f) Miscellaneous.

(a) Registration.—The total number of workshops (including bakehouses) on the Register on December 31st, 1913, was 992. During the year 1914, 15 new workshops have been added to, and 14 removed from, the Register, showing a nett increase of 1 during the year. The number of bakehouses on the Register is 155. The total number of workshops included in the following classified list is 993,

CLASSIFIED LIST OF WORKSHOPS.

	On Register Dec. 31st, 1913.		Added during 1914.		Removed during 1914.		Remaining Dec. 31st, 1914.	
	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.
Dress and Mantle Makers and Milliners, Tailors, Waterproof Manufacturers, &c.	146	107	1	1	..	..	147	108
Boot and Shoe Makers, Cloggers, Saddlers and Curriers	66	117	..	..	..	..	66	117
Black, Shoeing, Tin, and White Smiths; Cycle Repairers, &c.	34	24	..	..	..	..	34	24
Joiners, Cabinet Makers, Wood Carvers, Picture Framers and Gilders	32	46	..	..	..	..	32	46
Plumbers, Painters and French Polishers	42	28	..	..	..	..	42	28
Coopers, Carriage Builders, and Wheelwrights	10	15	..	..	..	..	10	15
Watchmakers, Jewellers, Engravers, and Electrical Engineers	27	6	..	..	..	..	27	6
Rug Makers and Rag and Wool Sorters	22	12	..	..	..	..	22	12
Upholsterers, Basket and Brush Makers	20	3	..	..	..	..	20	3
Hosiery Knitters, Shirt Makers, and Laundries	4	14	..	..	..	..	4	14
Monumental Sculptors	2	4	..	..	..	..	2	4
Organ Builders, Piano Repairers, &c...	6	1	..	..	..	..	6	1
Tripe Dressers	7	4	..	..	..	..	7	4
Bakehouses	52	104	7	6	2	12	57	98
Manufacturing Chemists; Mattress, Corset, Blind, and Waggon Cover Makers; Wire Workers, Tea Packers, Teazle Trimmers, Rope Makers, Tallow Chandlers, &c., &c.	28	9	..	..	..	..	28	9
	498	494	8	7	2	12	504	489
	992		15		14		993	

(b) Sanitation.—One thousand one hundred and ninety-three inspections of factories, workshops, and bakehouses have been made as to cleanliness, air space, ventilation, drainage, and closet accommodation.

Forty-nine cases of infringements of the Public Health Acts and of the Factory and Workshops Act were found during these inspections. Forty-seven of these infringements have been remedied. In 48 cases written notices were served requiring the infringements to be remedied in accordance with requirements of the notices.

In the case of the two unremedied infringements the necessary work is in hand, further inspections will be made in due course, and appropriate action taken.

Sanitary Accommodation and Conveniences.—The question of the provisions of closet accommodation, the allocation of the same to sexes, and the proper ventilation and screening thereof, has had attention during the past year. As will be seen from the return hereto, 16 contraventions of Section 22 of the Public Health Acts Amendment Act, 1890, and of the Sanitary Accommodation Order have been met with. All of these have been remedied.

(c) Special Sanitary Provisions for Bakehouses.—There are 155 bakehouses now on the Register, a decrease of 1 on the year. The number of cellar bakehouses remaining on the Register is 8. The bakehouses are systematically inspected as to cleanliness, closet accommodation, domestic washing, and sleeping places.

Two breaches of the special sanitary requirements for bakehouses was brought to light during the year, which were in due course remedied.

(d) Fire Escapes.—In the visitation of factories and workshops special attention has been directed to the means of escape in case of fire.

One notice has been received under Section 14 from the Factory Inspector, relating to one factory, and during the inspection of factories and workshops, insufficient means of escape in case of fire was found at one factory. In one of these cases the necessary alterations have been effected, and the other is in hand.

(e) Home Work.—The total number of lists received during 1914 was 25, made up of 15 lists from employers of home workers, and 11 lists from Sanitary Authorities of other towns. These lists contained in all 59 names. Of these 23 were out-contractors and 36 workhands. The lists received from employers in the town contained the names of 7 out-contractors and 36 workhands. Two of the out-contractors and two of the workhands addresses were outside the Borough and were accordingly sent on to the proper quarter. The lists received from other Sanitary Authorities contained 10 names of out-contractors and 16 workhands, whose addresses were in the Borough.

All the premises in the Borough were visited and inspected.

No case of refusal to admit the Inspector has arisen during the year.

The appended table is abstracted from and is a concise compilation of the return forwarded to the Home Office on the administration of the Factory and Workshops Act, 1901, in the County Borough of Huddersfield for the year 1914 :—

FACTORIES, WORKSHOPS, WORKPLACES AND HOMEWORK.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or
Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions
Factories	96	42	..
(Including Factory Laundries)			
Workshops	1097	6	..
(Including Workshop Laundries)			
Workplaces			
Total	1193	48	..

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness	6	18	..	..
Want of ventilation	3	2	..	..
Overcrowding	..	..	..	..
Want of drainage of floors	..	..	..	..
Other nuisances, including emission of black smoke	20	18	..	..
Sanitary accommodation {	insufficient	3	3	..
	unsuitable or defective	12	12	..
	not separate for sexes	1	1	..
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground bakehouses (S. 101)	1	1	..	..
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	2	2	..	..
Other offences, including escape in case of fire	1	1	..	..
(Excluding offences relating to out-work which are included in Part 3 of this Report).				
Total	49	47	..	..

* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

3.—HOME WORK.

Class.		Number of		
		Lists.	Out-workers.	
			Con-tractors.	Workmen
List of Outworkers (S. 107) :—				
List received from Employers	twice per year ..	14	6	36
„ „ „ „	once „ ..	1	1	1
Prosecutions				
Outwork in unwholesome premises (S. 108) ..		{ Wearing Apparel. Other.	Nil.	
Cases of infectious diseases notified in home workers' premises				
Orders prohibiting homework in infected premises (S.110)				

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year.

Important classes of workshops, such as workshop bake-houses, may be enumerated here.	Clothing and similar trade	..	..	..	273
	Leather	..	..	..	183
	Iron and Tin	..	..	..	58
	Wood	..	..	..	103
	Lead and Paint	..	..	..	70
	Jewellery	..	..	..	33
	Bakehouses	..	..	..	155
	Miscellaneous Trades and Manufactures	..			118
	Total number of Workshops on Register	..			993

5.—OTHER MATTERS.

Matters notified to H.M. Inspector of Factories :

Failure to affix Abstract of the Factory and Workshop Acts (S, 133, 1901)		—
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (S. 5, 1901)	{ Notified by H.M. In- spectors Reports (of action taken) sent to H.M. In- spectors	18 18
Other		1

Underground Bakehouses (S. 101) :—

Certificates granted during the year	..	..	..	..	..
In use at the end of the year	..	..	..	..	8

SMOKE OBSERVATIONS—1914.

The following Table shows the number of Smoke Observations taken during each month of the year, with the average number of minutes of Dense Black Smoke emitted per half-hour's observation.

1914.	Number of Observations taken.	Number showing Moderate Smoke or None.	Number showing Dense Black Smoke.	Total Minutes of Dense Black Smoke emitted.	Average number of minutes of Dense Black Smoke emitted from Chimneys per half-hour.	REMARKS.
January ..	22	7	15	62.5	4.17	The maximum limit for dense black smoke was fixed by the Sanitary Committee in March, 1898, at three minutes per half-hour observation. Where this limit has been exceeded warning letters have been sent to the parties involved, and if no improvement has resulted before the meeting of the Committee, they have been reported to the Committee. This has occurred in 129 cases during the year. In 17 cases legal notices have been issued during the year, resulting in a considerable diminution of black smoke emitted. In several cases the owners involved have adopted smoke preventing apparatus, or provided additional steam raising plant.
February ..	65	21	44	111.0	2.52	
March ..	93	34	59	191.5	3.25	
April ..	80	31	49	147.5	3.01	
May ..	50	23	27	89.5	3.31	
June ..	89	32	57	144.5	2.54	
July ..	29	12	17	46.5	2.74	
August ..	63	26	37	97.0	2.62	
September ..	114	44	70	173.0	2.47	
October ..	96	25	71	221.0	3.11	
November ..	20	4	16	82.5	5.15	
December ..	63	30	33	91.0	2.76	
Duplicate observations	..	..	..	..	..	

CANAL BOATS ACTS, 1877 and 1884.

Huddersfield Registration District.

Report as to the execution of the above-named Acts and Regulations
made thereunder for the year ended December, 1914.

To the Mayor and Corporation acting as the Urban Sanitary Authority
for the County Borough of Huddersfield.

GENTLEMEN,

I have the pleasure in submitting this my annual report on the working of the Canal Boats Acts, 1884.

The number of Canal Boats visited and inspected during the year ended the 31st day of December, 1914, was 124, and of these 326 inspections were made, namely :—

53	Boats inspected once each	..	..	53 inspections.
30	„	twice each	..	60 „
14	„	three times each	..	42 „
7	„	four times each	..	28 „
4	„	five times each	..	20 „
2	„	six times each	..	12 „
7	„	seven times each	..	49 „
3	„	eight times each	..	24 „
2	„	nine times each	..	18 „
2	„	ten times each	..	20 „
124				326

as against 482 inspections of 148 boats during 1913 and 147 inspections of 145 boats during 1912.

The population found on board these boats numbered 615, namely :—485 adult males, 110 adult females, and 20 children, as against 968 in 1913, namely :—792 adult males, 129 adult females, and 47 children, as against 884 in 1912, namely :—710 adult males, 132 adult females, and 42 children.

The following is a detailed statement of the number, age, and sex of children found on canal boats during 1914 :—

	MONTHS.					YEARS.										TOTALS.
Ages ..	..	..	..	..	1	2	3	4	5	6	7	8	10			
Males ..	..	..	..	..	2	..	1	2	..	2	..	1	1	9		
Females .	..	..	..	..	3	3	3	..	1	..	1	..	..	11		
Totals ..	..	..	..	..	5	3	4	2	1	2	1	1	1	20		

By analysing the above table it is found that the number of children visiting Huddersfield of school age, and under that age, are as follows, namely :—14 under five years of age, and 6 from 5 to 13 years of age, as follows :—

The monthly distribution of children on Canal Boats has been as under :—

Month, 1914.	Under 5 Years.	Over 5 Years.	Totals.
January	..	..	..
February	1	2	3
March	..	1	1
April	..	1	1
May	6	1	7
June	2	..	2
July	1	1	2
August	1	..	1
September	1	..	1
October	..	..	..
November	..	..	..
December	2	..	2
Totals ..	14	6	20

The six children of school age were met with on six boats in six separate inspections.

Without exception, whenever children were found on board a boat there were one or more women in charge of them.

Inspections of Canal Boats have been made on 96 days during 1914, and at each meeting of the Health Committee, a report has been given of the number of boats visited, also infringements calling for remedy which have been found, since the previous Committee.

A large variety of goods are brought into the Borough by boat.

The imports are loaded at Goole, Grimsby, Hull, Horbury, Wakefield, Selby and at various coal mines and gas works abutting on the Canal.

The following paragraphs contain the information required by the circular of the Local Government Board, dated 21st December, 1914, arranged in the same order as those of the said circular :—

(1). Arrangements made for the inspection of boats, the name, address, and remuneration of the Inspector.

William Medley Drake, Public Health Department, Huddersfield, was appointed Inspector of Canal Boats on the 7th day of January, 1895, and the remuneration for the work is included in his salary as Sanitary Inspector.

(2). The number of boats inspected during 1914, with the conditions of the boats and their occupants.

The number of boats inspected during 1914 was 124 and of inspections 326.

The 124 boats were made up of 44 broad boats, 17 narrow and 63 fly boats, the latter being all broad boats.

The places of registry were :—Goole, 79 ; Mirfield, 37 ; Wakefield, 2 ; Sowerby Bridge, 1 ; Birmingham, 2 ; Hull, 1, and Huddersfield 2., The whole of the boats inspected were found to be in good condition and conforming to the Acts and Regulations, and the occupants of all the boats to be in good health.

(3). Infringements of the Acts and Regulations with respect to the following matters :—

- (a) Registration. None.
- (b) Notification of change of master. None.
- (c) Masters without certificates. None.
- (d) Marking. None.
- (e) Overcrowding. None.
- (f) Separation of sexes. None required.
- (g) Cleanliness. Only cases of temporary uncleanness have been found, which have been remedied on request of Inspector.
- (h) Ventilation. Nothing to complain about.
- (i) Painting. None.
Repairs. None.
- (j) Provision of water casks. All boats provided.
- (k) Removal of bilge water. This work received regular attention.
- (l) Notification of infectious diseases. None.
- (m) Admittance of Inspector. No difficulty experienced.

(4). Legal proceedings taken. None.

(5). Any other steps taken to secure compliance with the Acts and Regulations. None required. Matters of cleanliness of minor moment have received prompt attention at the instigation of the Inspector.

(6). Infectious diseases. None.

(7). Detention of boats. None.

(8). (a) Number of boats on the register. Two. Propelled by motor. None.

(b) Number of boats that cannot be traced. None.

(9). Number registered during 1914. None.

I append hereto the usual summary.

Faithfully yours,

WM. MEDLEY DRAKE,

Inspector under the Canal Boats Acts.

Public Health Department,

Huddersfield,

January 12th, 1915.

CANAL BOATS ACTS, 1877 AND 1884.

Summary Appendix to the Annual Report of the Canal Boats
Inspector for the year 1914.

	1914	1913	1912
Number of boats inspected	124	148	145
Made up of Broad Boats	44	47	61
Broad Fly Boats	63	76	65
Narrow Boats ..	17	25	19
Narrow Fly Boats	..	..	..
Registered Accommoda- tion—Aft Cabin ..	1052	1616	1444 $\frac{1}{2}$
Centre Cabin ..	1	2650	865
Fore Cabin ..	533 $\frac{1}{2}$		
	1586 $\frac{1}{2}$		2309 $\frac{1}{2}$
Population found on board			
Adults	595	921	842
Children	20	47	42
	615	968	884
Children under school age	14	29	29
Number of children of school age	6	18	13
Number of days on which inspections have been made	96	108	76
Number of inspections made	326	482	447
Number of boats conform- ing to Acts and Regula- tions	124	135	143
Number of boats with one or more infringements ..	None	13	2
Number of infringements met with	None	25	4
Number remedied ..	..	8	1
Number dealt with by Magistrates	..	..	..
Number still under notice, December 31st	..	17	3
No Service effected ..	..	..	..

PARTICULARS OF INFRINGEMENTS MET WITH.

None.

PARTICULARS OF NON-REMEDIED INFRINGEMENTS.

None.

TABLE A.

Vital Statistics of Huddersfield during the Year 1914 and previous Years.

YEAR.	Population estimated to middle of each year.	BIRTHS.			Total Deaths registered in the District.		Transferable Deaths.		Nett Deaths belonging to the District.			
		Un-corrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate.					Number.	Rate per 1,000 nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	105492	..	2318	22.05	1583	15.06	84	40	222	96	1539	14.64
1910	106820	..	2164	20.33	1605	15.08	74	40	215	99	1571	14.76
1911	108144	2126	2122	19.69	1664	15.44	84	55	281	132	1635	15.17
1912	109512	2060	2056	18.84	1540	14.11	94	61	199	97	1507	13.81
1913	110882	2196	2196	19.50	1681	14.92	101	84	227	103	1664	14.77
1914	112265	2030	2030	18.08	1690	15.05	104	63	227	112	1649	14.69

Area of District in acres
(land and inland water)

Total population at all ages ..
Total families or separate occupiers ..

11859.
107821
26068

At Census of 1911.

TABLE B.

Cases of Infectious Diseases notified during the year 1914.

Notifiable Diseases.	Cases notified in whole District.							Total Cases notified in each Township.						No. of Cases removed to Sanatorium from each Township.						Total Cases removed to the Sanatorium from inside the Borough.
	At all Ages.	At Ages—Years.						1	2	3	4	5	6	Huddersfield (including Central, Marsh, Fartown, Deighton and Bradley).	(H) Dalton	Almondbury.	Lockwood. (W)	Lindley.	Longwood.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.													
Small Pox	1	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	1
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria, including Membranous croup..	86	1	42	15	10	..	..	36	5	21	19	4	1	34	5	20	19	3	1	82
Erysipelas	83	..	1	13	20	36	..	41	..	11	18	5	8	..	..	19	20	28	10	202
Scarlet Fever	216	2	131	24	11	..	..	92	42	23	21	28	10	85	40	19	20	..	..	..
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever	21	..	3	4	7	7	..	14	1	1	3	2	..	11	1	1	3	1	..	17
Relapsing Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal meningitis..	2	..	..	..	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Puerperal Fever	4	..	..	1	3	..	..	1	..	1	1	1	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea (In Infants under 5 years of age)	132	53	79	..	..	..	..	104	4	8	13	1	2	7	1	1	..	..	..	9
Ophthalmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Neonatorum	24	24	..	..	..	..	..	12	2	7	1	1	1	..	..	..	..	..	..	..
Tuberculosis :—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pulmonary	183	1	7	21	50	70	31	111	11	25	22	9	5	53	5	8	9	5	3	83†
Other forms	88	2	22	39	5	11	8	62	1	7	8	4	6	..	..	..	..	..	..	..
Other and doubtful cases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	840	83	175	240	113	134	82	474	66	104	108	55	33	191	52	49	51	37	14	394*

Isolation Hospital, name and situation—Huddersfield Sanatorium, Dalton
Small Pox Hospital " " Whitehouse Farm, Dalton
Phthisis Hospital " " In grounds at Sanatorium, Dalton

* In addition two cases of Premature Birth were removed to the Sanatorium from the Huddersfield Township during the third Quarter of the year.

† Includes one re-admissions—J. C., Huddersfield Township.

Total available beds, 153.
No. of diseases that can be treated concurrently, 7

TABLE C.**Causes of, and Ages at Death during the Year, 1914.**

CAUSES OF DEATH.		Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.			
		All Ages.	Under 1.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Infirmary.	Sanatorium.	Workhouse.	Private Surgical Homes
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
All causes—														
Certified	1636	226	79	55	58	56	196	480	486	132	30	108	29	
Uncertified	13	1	..	..	..	..	4	5	3	..	..	..	..	
Enteric Fever	6	..	..	..	..	3	2	1	..	..	4	..	..	
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	49	9	17	17	6	..	..	..	..	..	..	..	..	
Scarlet Fever	3	..	..	1	2	..	..	..	..	..	2	..	..	
Whooping Cough	21	9	9	3	..	..	..	..	..	..	..	..	..	
Diphtheria and Croup	4	..	..	1	3	..	..	..	..	..	2	..	..	
Influenza	9	..	..	..	..	2	2	2	3	..	..	..	..	
Erysipelas	3	..	..	..	..	..	..	3	..	..	..	..	..	
Phthisis (Pulmonary Tuberculosis)	87	1	..	2	5	19	31	27	2	3	6	16	..	
Tuberculous Meningitis	7	1	..	3	2	..	1	..	..	5	..	..	..	
Other Tuberculous Diseases	15	1	..	3	3	4	1	3	..	5	..	2	..	
Cancer, malignant disease	146	..	..	..	..	4	13	73	56	13	..	17	6	
Rheumatic Fever	6	..	..	1	1	1	1	1	1	..	..	..	..	
Meningitis	11	3	2	1	4	..	1	..	..	2	..	..	..	
Organic Heart Disease	209	4	..	..	3	5	24	87	86	4	1	8	..	
Bronchitis	163	32	13	4	2	..	2	36	74	1	..	11	..	
Pneumonia (all forms)	134	21	23	14	11	5	18	27	15	12	3	9	1	
Other diseases of respiratory organs	19	1	..	1	1	..	..	8	8	5	..	..	1	
Diarrhœa and Enteritis	21	13	3	2	..	..	2	..	1	1	5	..	..	
Appendicitis and Typhlitis	9	1	..	..	..	2	3	3	..	12	..	..	7	
Cirrhosis of Liver	12	..	..	..	..	..	1	9	2	1	..	..	1	
Alcoholism	5	..	..	..	..	..	3	2	..	..	..	..	..	
Nephritis & Bright's Disease	70	..	..	..	..	2	17	43	8	1	..	5	..	
Puerperal Fever	1	..	..	..	..	..	1	..	..	..	..	..	..	
Other accidents and diseases of Pregnancy & Parturition	17	..	..	..	..	1	16	..	..	4	..	..	..	
Congenital Debility and Malformation, including Premature Birth	75	69	5	1	..	..	..	..	..	1	3	..	..	
Violent Deaths, excluding Suicide	44	4	1	..	6	3	13	14	3	21	..	3	1	
Suicide	12	..	..	..	..	..	3	5	4	1	..	1	..	
Other Defined Diseases	488	57	6	1	9	5	45	140	225	40	4	35	12	
Diseases ill-defined or unknown	3	1	..	..	..	..	..	1	1	..	..	1	..	
Totals	1649	227	79	55	58	56	200	485	489	132	30	108	29	
Sub-Entries included in above figures.														
Cerebro-spinal Meningitis	1	..	..	..	..	..	1	..	..	..	..	..	..	
Actinomycosis	1	..	..	..	..	..	..	1	..	..	..	..	..	
Pneumonia (other than Bronchopneumonia)	75	4	5	6	6	4	17	24	9	6	1	6	1	

TABLE D.

Infant Mortality during the Year 1914.

Nett Deaths from stated causes at various ages under One Year of Age.

CAUSES OF DEATH.				Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks & under 3 months.	3 months & und'r 6 months.	6 months & und'r 9 months.	9 months & und'r 12 months.	Total Deaths under 1 Year.
All Causes—													
Certified	..	..	..	63	14	10	7	94	32	43	25	32	226
Uncertified	..	..	..	1	..	..	..	1	..	..	..	..	1
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	4	5	9
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	2	2	4	1	9
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	1	1
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	1	..	1	2
Meningitis (<i>not Tuberculous</i>)	..	..	..	..	..	..	..	..	1	..	1	1	3
Convulsions	..	..	..	7	2	..	1	10	4	3	..	3	20
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	2	1	3	6	6	10	5	5	32
Pneumonia (all forms)	..	..	..	..	..	..	..	..	1	9	4	7	21
Diarrhœa	..	..	..	..	..	..	..	..	..	7	2	..	9
Enteritis	..	..	..	..	..	..	..	..	2	2	..	..	4
Gastritis	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	1	..	..	1	1	..	..	1	3
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..
Suffocation, overlying	..	..	..	..	..	..	..	..	2	1	..	..	3
Injury at birth	..	..	..	4	..	..	..	4	..	..	..	..	4
Atelectasis	..	..	..	10	1	..	..	11	..	..	..	..	11
Congenital Malformations	..	..	..	3	2	..	1	6	1	..	..	..	7
Premature birth	..	..	..	30	4	5	1	40	3	..	..	..	43
Atrophy, Debility and Marasmus	..	..	..	7	1	1	..	9	8	1	1	..	19
Other Causes	..	..	..	3	1	3	1	8	1	7	4	7	27
Totals				64	14	10	7	95	32	43	25	32	227

$$\text{Nett Births in the year} \begin{cases} \text{legitimate} & 1952 \\ \text{illegitimate} & 78 \end{cases}$$

Nett Deaths in the year of	{	legitimate	
		infants	203
		illegitimate	
		infants	24

TABLE I.

Return of Births and Deaths Registered during the thirteen weeks ended 4th April, 1914.

[illegible]

Death Rate—Huddersfield, with Infirmary and Nursing Home,	15.84	Deaths of Children under one year per 1,000 births,	107.	Death Rate of 97 Towns,	16.45.
„ Dalton, with Fever Hospital	13.11	„ „ previous corresponding period,	78.	Birth Rate	25.16.
„ Lockwood, with Crosland Moor Workhouse,	18.69				

*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton and Bradley as in former years. The other districts are however strictly comparable with those of previous years

TABLE III.

Return of Births and Deaths Registered during the thirteen weeks ended 3rd October, 1914.

TOWNSHIPS.	Census Population, 1911.	Estimated Population at the middle of the year, 1914.	Births Registered during the 13 weeks ended 3rd October, 1914.	Deaths Registered during the 13 weeks ended 3rd October, 1914.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								All other Diseases.	Rate of Mortality per 1,000.						
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.				Heart Diseases.	Bronchitis, Pneumonia and Pleurisy.	Tuberculosis (all Forms).	During the corresponding period year previous.	During the 13 weeks ended 3rd Oct., 1914.	During the corresponding period year previous.	During the 13 weeks ended 3rd Oct., 1914.
													Typhoid.	Other.	Diarrhoea.								
*Huddersfield Including Central, Marsh, Fartown, Deighton and Bradley	51,264	53,480	250	149	26	11	42	3	..	1	1	1	..	3	9	23	21	11	76	12.47	11.18	1.82	0.67
Dalton	9,249	9,489	51	20	2	2	5	..	..	..	..	..	..	1	2	1	4	..	12	12.36	8.45	1.28	0.42
Almondbury	15,485	15,822	83	46	8	6	18	2	..	1	..	..	..	1	4	6	5	4	23	7.41	11.66	..	1.01
Lockwood	16,641	17,828	80	52	7	2	24	..	..	1	..	..	..	1	1	9	7	7	26	12.88	11.70	0.92	0.45
Lindley	9,345	9,651	33	19	3	..	12	..	..	..	..	..	..	..	..	2	6	..	11	10.50	7.90	..	..
Longwood	5,837	5,995	31	23	2	1	12	..	..	..	..	..	..	..	4	4	5	2	12	8.10	15.39	..	..
Royal Infirmary	..	..	1	17	2	2	2	..	..	..	..	..	..	..	..	4	..	1	8	..	..	..	..
Nursing Home	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Crosland Moor Workhouse	..	..	..	..	..	..	6	..	..	..	..	..	..	..	2	3	2	2	7	..	..	..	..
Deanhouse do.	..	..	7	16	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Sanatorium for Infectious Disease ..	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Deaths of Residents outside Borough ..	..	..	..	7	1	2	..	..	..	1	..	..	2	..	1	1	..	..	2	..	..	..	..
Borough	107,821	112,265	536	364	51	27	125	..	5	1	1	3	..	6	23	53	51	29	189	..	..	..	..
Rate per 1,000 of Estimated Population	..	..	19.16	13.01	..	..	..	..	0.17	0.03	0.03	0.10	0.10	..	0.21	0.82	1.89	1.82	6.75	14.26	13.01	1.56	0.67

Death Rate—Huddersfield, with Infirmary and Nursing Home 12.60 Deaths of Children under one year per 1,000 births, 95. Death Rate of 97 Towns, 13.2.
 „ Dalton, with Fever Hospital, 11.41 „ previous corresponding period, 154. Birth Rate „ 25.5.
 „ Lockwood, with Crosland Moor Workhouse 15.30

*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton and Bradley as in former years. The other districts are however strictly comparable with those of previous years.

TABLE IV.

Return of Births and Deaths Registered during the thirteen weeks ended January 2nd, 1915.

TOWNSHIPS.	Census Population, 1911.	Estimated Population at the middle of the Year 1914	Births Registered during the 13 weeks ended 2nd January, 1915.	Deaths Registered during the 13 weeks ended 2nd January, 1915.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.									All other Diseases.	Rate of Mortality per 1,000.						
					Under 1 year.	Over 1 and under 5 years	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.			Heart Diseases.			Cancer.					
													Typhoid.	Other.	Diarrhoea.									
*Huddersfield Including Central, Marsh, Fartown, Deighton and Bradley	51,264	53,480	215	196	31	33	49	..	25	..	..	1	..	..	1	9	53	16	11	80	12.50	14.70	0.42	2.02
Dalton	9,249	9,489	39	37	7	6	11	..	6	..	..	1	..	..	1	3	8	1	2	16	8.31	15.65	..	2.96
Almondbury	15,485	15,822	58	57	9	3	21	..	..	..	..	2	..	..	..	4	7	10	2	32	9.72	14.45	..	0.50
Lockwood	16,641	17,828	73	44	8	9	11	..	7	..	..	1	..	..	..	2	12	3	4	15	11.74	9.90	0.64	1.80
Lindley	9,345	9,651	36	24	2	2	9	..	2	..	..	..	..	..	..	1	2	7	2	10	7.02	9.98	0.39	0.83
Longwood	5,837	5,995	37	16	..	3	9	..	2	..	..	1	..	..	..	1	..	1	4	7	10.65	10.71	0.63	2.00
Royal Infirmary	..	..	..	24	1	2	2	..	..	..	..	..	..	..	..	2	3	..	3	16	..	..	..	..
Nursing Home	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Crosland Moor Workhouse	..	..	..	27	..	..	4	..	..	..	..	..	..	..	..	3	7	1	4	12	..	..	..	..
Deanhouse do.	..	..	..	6	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..	5	..	..	..	..
Sanatorium for Infectious Disease ..	..	..	..	13	7	1	..	..	..	1	2	..	1	..	4	2	1	..	..	2	..	..	..	..
Other Deaths of Residents outside Borough	..	..	..	13	..	..	5	..	..	..	..	..	..	..	..	..	3	1	1	8	..	..	..	..
Borough	107,821	112,265	458	459	65	59	123	..	42	1	2	5	1	..	6	27	96	41	33	205	..	..	..	..
Rate per 1,000 of Estimated Population	..	..	16.37	16.41	..	..	..	..	1.50	0.03	0.07	0.17	0.03	..	0.21	0.96	3.43	1.46	1.17	7.32	13.68	16.41	0.61	2.03

Death Rate—Huddersfield, with Infirmary and Nursing Home, 16.66 Deaths of Children under one year per 1,000 births, 142. Death Rate of 97 Towns, 14.95.
 „ Dalton, with Fever Hospital 21.14 „ „ previous corresponding period, 101. Birth Rate „ 23.32.
 „ Lockwood, with Crosland Moor Workhouse 15.98

*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton and Bradley as in former years. The other districts are however strictly comparable with those of previous years.

TABLE V.

Return of Births and Deaths Registered during the fifty-two weeks ended 2nd January, 1915.

TOWNSHIPS.	Census Population, 1911.	Estimated Population at the middle of the year 1914.	Births Registered dur- ing the 52 weeks ended 2nd January, 1915.	Deaths Registered dur- ing the 52 weeks ended 2nd January, 1915.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Tuberculosis (all Forms).	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	Rate of Mortality per 1,000.			
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.								During the corre- sponding period year previous.	During the 52 weeks ended 2nd January, 1915.	Seven Zymotics	During the 52 weeks ended 2nd January, 1915.
													Typhoid.	Other.	Diarrrhea.									
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley	51,264	53,480	956	698	113	64	186	..	29	1	1	9	1	..	6	41	149	84	52	325	13.24	13.05	0.78	0.88
Dalton	9,249	9,489	197	109	19	13	30	..	6	..	..	1	..	..	2	10	21	11	6	52	10.87	11.49	0.63	0.95
Almondbury	15,485	15,822	312	203	33	14	77	..	2	..	..	6	..	..	1	13	33	35	20	93	10.52	12.83	0.25	0.57
Lockwood	16,641	17,828	297	206	33	19	65	..	8	..	..	4	..	..	2	9	39	29	20	95	11.67	11.55	0.45	0.78
Lindley	9,345	9,651	143	90	9	5	39	..	2	..	..	..	..	..	..	3	11	25	7	42	9.69	9.33	0.21	0.21
Longwood	5,837	5,995	114	70	3	5	36	..	2	..	..	1	..	..	..	2	9	8	17	31	11.25	11.68	0.17	0.50
Royal Infirmary	..	..	2	84	6	9	9	..	..	..	..	..	..	..	..	8	14	1	9	52	..	..	..	..
Nursing Home	..	..	..	9	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	8	..	..	..	..
Crosland Moor Workhouse	..	..	9	91	2	1	24	..	..	..	..	..	..	..	..	17	21	5	11	37	..	..	..	..
Deanhouse do. Sanatorium for In- fectious Disease ..	..	..	..	19	..	..	13	..	..	..	..	..	..	..	..	..	..	5	..	14	..	..	..	..
Other Deaths of Resi- dents outside Borough	..	..	..	26	9	3	..	..	..	2	2	..	4	..	4	6	2	1	..	5	..	..	..	..
Borough	107,821	112,265	2030	1649	227	134	489	..	49	3	4	21	6	..	15	109	306	209	146	781	..	..	..	..
Rate per 1,000 of Esti- mated Population	..	..	18.08	14.69	..	..	..	..	0.44	0.03	0.04	0.19	0.05	..	0.13	0.97	2.73	1.86	1.31	6.95	14.77	14.69	0.82	0.87

Death Rate—Huddersfield, with Infirmary and Nursing Home,	14.79	Deaths of Children under one year per 1,000 births, 112.	Death Rate of 97 Towns, 15.0.
„ Dalton, with Fever Hospital	14.23	„ „ previous corresponding period, 103.	„ „ 25.0.
„ Lockwood, with Crosland Moor Workhouse	16.66		

*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton and Bradley as in former years. The other districts are however strictly comparable with those of previous years.

TABLE VI.

Death Rate per 1,000 per annum for 1914 and thirty-four previous years.

Year.	Estimated Population at the middle of the Year.	From all causes and at all ages.	Children under 1 year.	Children over 1 year and under 5 years.	In persons aged 50 years and upwards.	In persons aged upwards.	Small Pox.	Miscles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Marasmus.	Seven Zymotic Diseases.	Violence and Accidents.	Consumption and Diseases of the Organs.
1880	81,780	22.04	5.20	3.79	6.66	..	0.02	0.40	0.28	0.05	0.15	0.67	0.91	2.49	0.61	6.72
1881	82,113	20.35	4.67	2.82	6.54	..	..	0.09	0.21	0.04	0.42	0.13	0.38	1.26	0.75	6.30
1882	83,271	22.39	5.64	3.93	6.60	..	..	0.96	0.26	0.07	0.64	0.18	0.53	2.63	0.65	6.81
1883	84,450	21.38	5.14	3.09	6.52	..	..	0.39	0.08	0.04	0.55	0.18	0.44	1.68	0.58	7.65
1884	86,004	19.54	4.84	2.55	6.34	..	..	0.18	0.08	0.05	0.70	0.14	0.63	1.77	0.57	5.65
1885	87,327	20.05	4.02	2.84	6.79	..	..	0.65	0.13	0.05	0.29	0.11	0.20	1.42	0.74	6.50
1886	88,070	19.54	4.49	2.76	6.30	..	..	0.19	0.37	0.14	0.32	0.14	0.48	1.63	0.79	6.38
1887	90,034	22.99	5.06	4.42	6.70	..	..	1.39	0.35	0.46	0.68	0.10	0.41	3.39	0.51	7.26
1888	91,419	18.51	3.90	2.80	6.37	..	0.02	0.36	0.29	0.15	0.41	0.13	0.19	1.55	0.65	5.40
1889	92,825	18.79	4.15	2.78	6.33	..	..	0.98	0.28	0.13	0.16	0.11	0.36	2.02	0.38	5.95
1890	94,253	18.84	3.83	2.19	7.02	..	0.01	0.04	0.07	0.05	0.42	0.25	0.39	1.23	0.48	6.58
1891	95,410	23.02	4.52	3.51	8.64	..	..	1.12	0.31	0.05	0.62	0.16	0.14	2.40	0.67	7.66
1892	95,373	18.37	3.53	2.60	6.97	..	0.01	0.71	0.19	0.07	0.30	0.06	0.19	1.55	0.48	5.76
1893	95,336	17.84	2.37	2.05	6.82	..	0.02	0.26	0.26	0.03	0.14	0.15	0.55	1.41	0.38	5.55
1894	95,269	16.46	3.35	1.94	5.92	..	..	0.14	0.24	0.28	0.58	0.14	0.19	1.57	0.40	4.81
1895	95,261	17.89	3.58	1.95	7.00	..	..	0.13	0.21	0.20	0.22	0.06	0.54	1.36	0.47	5.17
1896	95,224	17.69	3.63	2.25	6.90	..	..	0.28	0.20	0.27	0.57	0.13	0.34	1.79	0.50	5.51
1897	95,187	17.56	3.30	1.74	6.81	..	..	0.27	0.35	0.22	0.21	0.17	0.35	1.57	0.48	5.05
1898	95,149	17.13	3.70	1.89	7.03	..	..	0.34	0.10	0.15	0.12	0.10	0.81	1.62	0.60	4.65
1899	95,112	17.63	3.79	1.41	7.44	..	..	0.12	0.67	0.05	0.59	0.25	0.95	2.04	0.52	4.74
1900	95,074	18.49	3.32	1.89	8.20	..	..	0.62	0.20	0.02	0.18	0.24	0.50	1.74	0.57	5.26
1901	95,351	16.64	3.02	1.23	..	4.38	..	0.14	0.06	0.06	0.02	0.19	0.94	1.41	0.61	4.46
1902	96,573	17.43	3.30	1.78	..	4.17	0.01	0.59	0.11	0.15	0.47	0.05	0.19	1.58	0.57	4.46
1903	97,808	16.25	2.78	1.32	..	4.29	0.02	..	0.15	0.14	0.16	0.08	0.20	0.82	0.66	4.41
1904	99,056	16.78	3.08	1.69	..	4.11	0.01	0.76	0.10	0.14	0.25	0.07	0.50	1.83	0.61	4.13
1905	100,317	16.05	2.69	1.29	..	4.17	..	0.05	0.11	0.11	0.17	0.17	0.46	1.07	0.58	4.15
1906	101,591	16.18	3.07	1.81	..	4.21	..	0.60	0.07	0.13	0.32	0.09	0.80	2.00	0.44	3.84
1907	102,887	15.61	2.07	1.11	..	4.23	..	0.10	0.06	0.08	0.18	0.11	0.40	0.71	0.50	3.95
1908	104,178	15.54	2.48	1.55	..	4.05	..	0.62	0.03	0.08	0.13	0.08	0.56	1.50	0.47	3.55
1909	105,492	14.04	2.11	1.27	..	4.12	..	0.17	0.09	0.19	0.14	0.10	0.35	0.94	0.55	3.47
1910	106,820	14.76	2.02	1.17	..	3.86	..	0.09	0.17	0.14	0.27	0.05	0.28	1.00	0.49	3.22
1911	108,144	15.17	2.61	1.20	..	4.40	..	0.16	0.15	0.20	0.10	0.07	1.14	1.83	0.50	3.16
1912	109,512	13.81	1.82	0.95	..	4.07	..	0.19	0.20	0.08	0.24	0.02	0.10	0.83	0.44	2.98
1913	110,882	14.77	2.02	0.97	..	4.49	..	0.22	0.06	0.05	0.07	0.08	0.33	0.82	0.57	3.64
1914	112,265	14.69	2.02	1.19	..	4.36	..	0.44	0.03	0.04	0.19	0.05	0.13	0.87	0.54	3.59

TABLE VII.

DISTRICTS.	Mortality per 1,000 Persons Living at all Ages.															Birth-rate.
	Children under 1 year.	1 to 5 Years.	Adults over 65 years.	Seven Zymotic Diseases	Constitutional Diseases	Tuberculosis, all forms.	Developmental Diseases.	Diseases of the Nervous System.	Diseases of the Circulatory System.	Diseases of the Respiratory System.	Digestive System.	Diseases of the Urinary System.	Diseases of the Reproductive System.	Violence.	Ill-defined and not Specified Causes.	
Huddersfield Township (with Infirmary & Nurses Home)	2.23	1.36	3.68	0.93	1.66	0.91	1.81	1.74	1.87	3.33	1.05	0.82	0.16	0.71	0.01	15.45
Huddersfield Township (without Infirmary & Nurses Home).....	2.11	1.20	3.48	0.93	1.46	0.76	1.78	1.65	1.81	3.02	0.71	0.67	0.11	0.41	..	13.71
Dalton (with Sanatorium)	2.95	1.69	3.16	2.11	0.84	1.69	2.11	1.79	1.48	2.43	0.42	0.95	0.52	0.10	..	14.75
Dalton (without Sanatorium)	2.00	1.37	3.16	0.84	0.84	1.05	1.79	1.79	1.37	2.22	0.21	0.95	0.52	0.10	..	12.01
Almondbury.....	2.08	0.88	4.87	0.57	1.64	0.82	1.52	1.39	2.66	2.34	0.50	0.82	0.19	0.31	..	13.27
Lockwood (with Workhouse)	1.96	1.12	4.99	0.79	2.42	1.46	2.25	2.53	2.25	3.60	0.39	0.73	0.05	0.39	..	17.28
Lockwood (without Workhouse) ..	1.85	1.07	3.65	0.79	1.51	0.50	1.80	1.80	1.80	2.42	0.39	0.45	0.05	0.28	..	12.17
Lindley	0.93	0.52	4.04	0.21	0.93	0.31	1.03	1.45	2.91	1.24	0.41	0.51	0.10	0.20	..	9.53
Longwood.....	0.50	0.83	6.01	0.50	3.01	0.33	1.50	1.67	1.67	1.50	0.33	0.50	0.16	0.50	..	12.18
Total for Borough, 1914	2.02	1.19	4.36	0.87	1.72	0.97	1.78	1.79	2.08	2.88	0.72	0.77	0.18	0.50	..	14.69
Total for 1913	2.02	0.97	4.49	0.82	1.54	1.25	1.92	1.67	2.02	2.81	0.67	0.88	0.10	0.57	0.02	14.77

The above figures include persons belonging to Huddersfield who died outside the Borough classified to the localities in which they previously resided.

TABLE VIII.

Cases of infectious diseases notified under the 64th clause of the Huddersfield Improvement Act, 1880, or found through official enquiries, during the four quarters of the 52 weeks of the year 1914.

A Cases of Small Pox, Scarlet Fever, Typhoid, and Typhus Fever.

	1st Quarter.				2nd Quarter.				3rd Quarter.				4th Quarter.				YEAR.			
	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.
Small pox	..	..	..	..	1	1	..	..	..	58	56	..	73	71	..	2†	1	1	..	..
Scarlet fever	44	41	..	..	41	34	1	..	..	13	10	..	8	7	..	1	202	202	1	..
Typhoid fever	..	..	1*	1†	..	..	..	2	..	..	1	2	..	..	..	1	17	17	2	4
Typhus fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The above 4 diseases	44	41	1	1	42	35	1	..	71	66	1	4	81	78	..	2	238	220	3	7

*Died in Storthes Hall Asylum.

†Notified in year 1913.

‡One of these cases died from Ulcerative Stomatitis.

B Other Diseases.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		TOTAL.	
	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital.	Heard of	Hospital
Continued fever	..	..	..	..	..	..	..	..	..	..
Cerebro Spinal Meningitis	2	..	..	..	..	..	..	..	2	..
Diphtheria and Membranous Croup	20	20	29	29	19	16	18	17	86	82
Puerperal fever	1	..	..	..	2	..	1	..	4	..
Erysipelas	25	..	17	..	18	..	23	..	83	..
Ophthalmia Neonatorum	2	..	10	..	5	..	7	..	24	..
Diarrhoea (in children under 5 years)	..	..	9	..	96	8	27	1	132	9

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